RII40412 Certificate IV in Underground Coal Operations

Modification History
Not applicable.

Description
This qualification reflects the role of employees such as mine supervisor, team leader or deputy, in an underground coal mine who perform tasks involving a broad range of varied activities most of which are complex and non-routine. They are responsible for the quantity and quality of the output of others, contribute to the development of technical solutions to non-routine problems and apply safety management plans to the workplace.

Pathways Information
Not applicable.

Licensing/Regulatory Information
Not applicable.

Entry Requirements
Not applicable.
## Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

<table>
<thead>
<tr>
<th>Employability Skill</th>
<th>Industry/enterprise requirements for this qualification include:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>• provide clear and direct feedback</td>
</tr>
<tr>
<td></td>
<td>• listen carefully to instructions and information</td>
</tr>
<tr>
<td></td>
<td>• read and interpret project plans and safety signs</td>
</tr>
<tr>
<td></td>
<td>• calculate basic weights, distances and volumes</td>
</tr>
<tr>
<td></td>
<td>• complete accurate work plans, technical reports, risk assessments, etc</td>
</tr>
<tr>
<td></td>
<td>• negotiate solutions to customer and workplace based issues</td>
</tr>
<tr>
<td></td>
<td>• negotiate project details with clients</td>
</tr>
<tr>
<td></td>
<td>• network with other professionals working in the same field</td>
</tr>
<tr>
<td></td>
<td>• adjust communication style to meet the needs of people with diverse backgrounds</td>
</tr>
<tr>
<td>Teamwork</td>
<td>• plan and lead team performance and operations</td>
</tr>
<tr>
<td></td>
<td>• coordinate project activities and timelines with clients</td>
</tr>
<tr>
<td></td>
<td>• work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability</td>
</tr>
<tr>
<td></td>
<td>• recognise and respond sensitively to people from culturally and linguistically diverse backgrounds</td>
</tr>
<tr>
<td></td>
<td>• provide feedback and advice to staff</td>
</tr>
<tr>
<td></td>
<td>• participate in site-wide planning and coordination activities</td>
</tr>
<tr>
<td>Problem-solving</td>
<td>• re-allocate staff and resources in response to changing weather, site conditions and priorities</td>
</tr>
<tr>
<td></td>
<td>• work with staff to solve problems and coordinate team members’ responsibilities and activities</td>
</tr>
<tr>
<td></td>
<td>• work cooperatively with clients to resolve contract and operational issues</td>
</tr>
<tr>
<td></td>
<td>• participate in ongoing review and adjustment of operations against performance indicators and project milestones</td>
</tr>
<tr>
<td>Initiative and enterprise</td>
<td>• act independently to identify potential improvements to working practice and conditions</td>
</tr>
<tr>
<td></td>
<td>• identify and take steps to resolve risks in the workplace</td>
</tr>
<tr>
<td></td>
<td>• encourage the exploration and application of innovative approaches to improve on operational performance</td>
</tr>
<tr>
<td>Planning and organising</td>
<td>• manage and coordinate time and priorities for self and team</td>
</tr>
<tr>
<td></td>
<td>• identify and obtain appropriate personnel and resources for work</td>
</tr>
<tr>
<td>Self-management</td>
<td>Learning</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>• ensure that risks are assessed and appropriate emergency plans are in place</td>
<td>• take responsibility for ensuring team targets and goals are achieved</td>
</tr>
<tr>
<td>• ensure that project planning incorporates the possibility of adapting to future changes</td>
<td>• understand the standard of work expected at the work site</td>
</tr>
<tr>
<td></td>
<td>• proactively manage team performance</td>
</tr>
<tr>
<td></td>
<td>• develop trust and confidence in staff and customers</td>
</tr>
<tr>
<td>• take responsibility for ensuring team targets and goals are achieved</td>
<td>• be willing to learn new ways of working</td>
</tr>
<tr>
<td>• understand the standard of work expected at the work site</td>
<td>• seek information to improve performance from people and workplace documents like policies, procedures etc</td>
</tr>
<tr>
<td>• proactively manage team performance</td>
<td>• understand equipment characteristics, technical capabilities, limitations and procedures</td>
</tr>
<tr>
<td>• develop trust and confidence in staff and customers</td>
<td>• participate in and, where appropriate, lead change processes</td>
</tr>
<tr>
<td>Learning</td>
<td>Technology</td>
</tr>
<tr>
<td>• be willing to learn new ways of working</td>
<td>• apply a range of basic IT skills in monitoring and reporting on systems</td>
</tr>
<tr>
<td>• seek information to improve performance from people and workplace documents like policies, procedures etc</td>
<td>• operate equipment safely and according to manufacturer and workplace guidelines</td>
</tr>
<tr>
<td>• understand equipment characteristics, technical capabilities, limitations and procedures</td>
<td>• use communications technology appropriate to the workplace (email, mobile, radio, etc)</td>
</tr>
<tr>
<td>• participate in and, where appropriate, lead change processes</td>
<td>• use computer technology to monitor and communicate project status</td>
</tr>
<tr>
<td>• work with staff to create learning and development plans</td>
<td>• use IT to create documents and maintain records of work activities</td>
</tr>
</tbody>
</table>
Packaging Rules

Requirements for completion of the qualification
The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.
Successful completion of thirteen (13) units of competency made up of:

- ten (10) core units, and
- three (3) elective units of which:
  - at least one (1) must come from the Group A electives listed below
  - up to two (2) from the Group B electives listed below
  - up to one (1) unit may come from AQF level III, IV or Diploma in this, or any other Training Package.

Units of competency chosen must be relevant to the competency requirements for the job function.
Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

<table>
<thead>
<tr>
<th>Core units of competency</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit code</strong></td>
</tr>
<tr>
<td>RIIBLA202B</td>
</tr>
</tbody>
</table>

OR
RIIBLA302A  Conduct shotfiring operations in underground coal mines
RIIERR402A  Apply and monitor underground coal mine emergency preparedness and response systems
RIIMCU403A  Apply and monitor the gas management plan
RIIMCU406A  Apply and monitor the inrush management plan
RIIMCU407A  Apply and monitor the strata management plan
RIIMCU408A  Apply the spontaneous combustion management plan
RIIMEX406A  Apply and monitor mine transport system and production equipment
RIIRAI401A  Apply and monitor mine services and infrastructure systems
RIIRIS402A  Carry out the risk management processes
RIIUND401B  Apply and monitor the ventilation management plan

**Group A**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIIMCU303A</td>
<td>Conduct continuous miner operations</td>
</tr>
<tr>
<td>RIIMCU304A</td>
<td>Conduct shuttle car operations</td>
</tr>
<tr>
<td>RIIMCU305A</td>
<td>Conduct outburst mining operations</td>
</tr>
<tr>
<td>RIIMCU306A</td>
<td>Conduct shearer operations</td>
</tr>
<tr>
<td>RIIMCU307A</td>
<td>Conduct longwall face equipment operations</td>
</tr>
<tr>
<td>RIIMCU401A</td>
<td>Conduct special roadway operations</td>
</tr>
<tr>
<td>RIIMCU404A</td>
<td>Apply and monitor the gas drainage management plan</td>
</tr>
<tr>
<td>RIIMCU405A</td>
<td>Apply and monitor the outburst management plan</td>
</tr>
<tr>
<td>RIIUND304A</td>
<td>Recover equipment</td>
</tr>
</tbody>
</table>

**Group B electives**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSBCUS401B</td>
<td>Coordinate implementation of customer service strategies</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>BSBINN301A</td>
<td>Promote innovation in a team environment</td>
</tr>
<tr>
<td>BSBLED401A</td>
<td>Develop teams and individuals</td>
</tr>
<tr>
<td>BSBMGT401A</td>
<td>Show leadership in the workplace</td>
</tr>
<tr>
<td>BSBMGT402A</td>
<td>Implement operational plan</td>
</tr>
<tr>
<td>BSBMGT403A</td>
<td>Implement continuous improvement</td>
</tr>
<tr>
<td>BSBOHS407A</td>
<td>Monitor a safe workplace</td>
</tr>
<tr>
<td>BSBWOR404B</td>
<td>Develop work priorities</td>
</tr>
<tr>
<td>RIICOM301B</td>
<td>Communicate information</td>
</tr>
<tr>
<td>RIERR403A</td>
<td>Lead rescue team</td>
</tr>
<tr>
<td>RIILAT401A</td>
<td>Provide leadership in the supervision of Indigenous Australian employees</td>
</tr>
<tr>
<td>RIIIOHS301A</td>
<td>Conduct safety and health investigations</td>
</tr>
</tbody>
</table>