

Coal Mining Safety and Health Act 1999 (Qld)
Coal Mining Safety and Health Regulation 2017

Competencies recognised by the Coal Mining Safety and Health Advisory Committee

Note: The competencies determined for the respective positions and operative date for the acquisition of such competencies may be amended by the Committee from time to time if amendments are deemed necessary.

| No. | Act/Regulation | Position | Required competency | Required from |
|-----|-------------------------|---|--|---------------|
| 1 | Regulation – section 82 | All coal mine workers | RIIRIS201D (previously RIIRIS201B, RIIRIS201A, MNCC1006B, MNCC1006A or MNC.C6.A) | 01/01/2002 |
| 2 | Act – section 56 | Supervisor | RIIRIS301D (previously RIIRIS301B, RIIRIS301A, MNCG1001A or QMS1), RIIWHS301D (previously RIIOHS301A, MNCG1008A or QMS2) and RIICOM301D (previously RIICOM301B, RIICOM301A, MNCG1009A or QMS3) | 30/08/2002 |
| 3 | Act – section 60(2) | Underground Mine Manager | RIIRIS601D (previously RIIRIS601A, MNCG1003A), MINE7033 or GMIRM; and <ul style="list-style-type: none"> • First Class Mine Manager's Certificate of Competency granted under the <i>Coal Mining Act 1925</i>; or • First Class Mine Manager's Certificate of Competency granted under the <i>Coal Mining Safety and Health Act 1999</i> | 06/08/2009 |
| 4 | Act – section 60(9) | ERZ controller | RIIRIS402D (previously RIIRIS402A, MNCG1002B, MNCG1002A); and <ul style="list-style-type: none"> • Deputy's, First Class Mine Manager's or Second Class Mine Manager's Certificate of Competency granted under the <i>Coal Mining Act 1925</i>; or • Deputy's, First Class Mine Manager's or Second Class Mine Manager's Certificate of Competency granted under the <i>Coal Mining Safety and Health Act 1999</i> | 01/12/2002 |
| 5 | Act – section 59 | Open Cut Examiner | RIIRIS402D (previously RIIRIS402A, MNCG1002B, MNCG1002A); and <ul style="list-style-type: none"> • Open-cut Examiner's Certificate granted under the <i>Coal Mining Act 1925</i>; or • Open Cut Examiner's Certificate of Competency granted under the <i>Coal Mining Safety and Health Act 1999</i> | 01/12/2002 |
| 6 | Act – section 109(2) | Industry Safety and Health Representative | RIIRIS402D (previously RIIRIS402A, MNCG1002B, MNCG1002A); and <ul style="list-style-type: none"> • Deputy's, First Class Mine Manager's or Second Class Mine Manager's Certificate of Competency granted under the <i>Coal Mining Act 1925</i>; or • Deputy's, First Class Mine Manager's or Second Class Mine Manager's Certificate of Competency granted under the <i>Coal Mining Safety and Health Act 1999</i> | 01/12/2002 |
| 7 | Act – section 93(3) | Site Safety and Health Representative | RIIRIS301D (previously RIIRIS301B, RIIRIS301A, MNCG1001A or QMS1), RIIWHS301D (previously RIIOHS301A, MNCG1008A or QMS2) and RIICOM301D (previously RIICOM301B, RIICOM301A, MNCG1009A or QMS3) | 01/07/2002 |

| No. | Act/Regulation | Position | Required competency | Required from |
|-----|----------------------|--|---|---------------|
| 8 | Act – section 54(1) | Site Senior Executive | <p>A statutory legislation exam, as administered by the Board of Examiners, and</p> <ul style="list-style-type: none"> • RIIRIS601D (previously RIIRIS601A, MNCG1003A) or • MINE7033 or • GMIRM. <p>In addition, the Site Senior Executive, or a person named in a senior position under s55 of the <i>Coal Mining Safety and Health Act 1999</i>, must obtain the competency unit</p> <ul style="list-style-type: none"> • RIWHS601D (previously RIIOHS601A, MNCG1107A) or • MINE7041. | 30/06/2011 |
| 9 | Act – section 60(10) | Underground Electrical Engineering Manager | <p>RIIRIS402D (previously RIIRIS402A, MNCG1002B, MNCG1002A); and</p> <ul style="list-style-type: none"> • Mine Electrician Certificate (All Coal Mines or Underground Coal Mines)¹ granted under the <i>Coal Mining Act 1925</i>; and possession of the following units², with endorsements, where applicable, relevant to the explosion protection techniques at the coal mine – <ul style="list-style-type: none"> UEENEEM080A (previously UEENEEM001B, UTENES010A), UEENEEM019A (previously UEENEEM002B, UTENES012A), UEENEEM023A (previously UEENEEM004B, UTENES107A), UEENEEM027A (previously UEENEEM006B, UTENES214A), UEENEEM031A (previously UEENEEM007B, UTENES215A), UEENEEM035A (previously UEENEEM008B, UTENES407A), UEENEEM038A (previously UEENEEM009B, UTENES408A), UEENEEM042A (previously UEENEEM010B, UTENES409A), UEENEEM043A (previously UEENEEM011B, UTENES410A), UEENEEM047A (previously UEENEEM012B, UTENES609A), UEENEEM078A (previously UEENEEM013B, UTENES610A), UEENEEM074A (previously UEENEEM016B, UTENES707A) or • Possession of the following units², with endorsements, where applicable, relevant to the explosion protection techniques at the coal mine – <ul style="list-style-type: none"> UEENEEE013B (previously UTENES602BA), UEENEEE110A (previously UEENEEE010B, UTENES603BA), UEENEEG169A (previously UEENEEG069B, UTENES606BA), RIIRAI609A (previously MNCG1090A), UEENEEM080A (previously UEENEEM001B, UTENES010A), UEENEEM019A (previously UEENEEM002B, UTENES012A), UEENEEM023A (previously UEENEEM004B, UTENES107A), UEENEEM027A (previously UEENEEM006B, UTENES214A), UEENEEM031A (previously UEENEEM007B, UTENES215A), UEENEEM035A (previously UEENEEM008B, UTENES407A), UEENEEM038A (previously UEENEEM009B, UTENES408A), UEENEEM042A (previously UEENEEM010B, UTENES409A), UEENEEM043A (previously UEENEEM011B, UTENES410A), UEENEEM047A (previously UEENEEM012B, UTENES609A), UEENEEM078A (previously UEENEEM013B, UTENES610A), UEENEEM074A (previously UEENEEM016B, UTENES707A) or • Possession of equivalent electrical qualifications <p>Note 1 A NSW Certificate of Competency as a Mine Electrical Engineer is also acceptable. Note 2 These units form part of the Diploma in Mine Electrical Engineering (RII) and the Advanced Diploma of Electrical Engineering – Coal Mining (UEE).</p> | 29/07/2005 |

| No. | Act/Regulation | Position | Required competency | Required from |
|-----|--------------------------------|--|--|---------------|
| 10 | Regulation – section 17 | Surface Electrical Engineering Manager | <p>RIIRIS301D (previously RIIRIS301B, RIIRIS301A, MNCG1001A or QMS1); and</p> <ul style="list-style-type: none"> • Mine Electrician Certificate (All Coal Mines or Open-cut Coal Mines)¹ granted under the <i>Coal Mining Act 1925</i>; or • A Degree in Electrical Engineering, and possession of the following units² – UEENEEE013B (previously UTENES602BA), UEENEEE110A (previously UEENEEE010B, UTENES603BA), UEENEEG169A (previously UEENEEG069B, UTENES606BA), RIIRAI609D (previously RIIRAI609A, MNCG1090A), or • A Diploma in Electrical Engineering and possession of the following units²– UEENEEE013B (previously UTENES602BA), UEENEEE110A (previously UEENEEE010B UTENES603BA), UEENEEG169A (previously UEENEEG069B,UTENES606BA), RIIRAI609D (previously RIIRAI609A, MNCG1090A), or • An Electrical Worker's Licence and possession of the following units² – UEENEEE013B (previously UTENES602BA), UEENEEE110A (previously UEENEEE010B, UTENES603BA), UEENEEG169A (previously UEENEEG069B, UTENES606BA), RIIRAI609D (previously RIIRAI609A,MNCG1090A), or • Possession of equivalent electrical qualifications <p>Note 1 A NSW Certificate of Competency as a Mine Electrical Engineer, or a NSW Certificate of Competency as a Mine Electrical Engineer for an Opencut Mine, is also acceptable.</p> <p>Note 2 These units form part of the Diploma of Mine Electrical Engineering (RII) and the Advanced Diploma of Electrical Engineering – Coal Mining (UEE)</p> | 01/07/2002 |
| 11 | Regulation – section 209 | Underground Shotfirer | <ul style="list-style-type: none"> • Relevant Shotfirer's Licence issued under the <i>Explosives Act 1999</i>; or • Deputy's Certificate granted under the <i>Coal Mining Act 1925</i> free from an endorsement prohibiting shotfiring; or • RIIBLA302D (previously RIIBLA302A, MNCU1048B, MNCU1048A or MNC.U48.A) | 01/01/2002 |
| 12 | Regulation – section 209 | Underground assistant Shotfirer | <ul style="list-style-type: none"> • Relevant Shotfirer's Licence issued under the <i>Explosives Act 1999</i>; or • Deputy's Certificate granted under the <i>Coal Mining Act 1925</i> free from an endorsement prohibiting shotfiring; or • RIIBLA302D (previously RIIBLA302A, MNCU1048B, MNCU1048A or MNC.U48.A) or • RIIBLA202D (previously RIIBLA202B, RIIBLA202A, MNCU1049B, MNCU1049A or MNC.U49.A) | 01/01/2002 |
| 13 | Regulation – section 155(1) | Underground Fire Officer | RIIERR201D (previously RIIERR201A, MNCG1005A or MNC.G5.A) | 01/01/2003 |
| 14 | Act – section 61(2) | Underground Ventilation Officer | <p>RIIRIS402D (previously RIIRIS402A, MNCG1002B, MNCG1002A); and</p> <ul style="list-style-type: none"> • RIIUND603D (previously RIIUND603A, MNCU1109A or MNC.U109.A) or • Possession of equivalent competency to RIIUND603D (previously RIIUND603A, MNCU1109A or MNC.U109.A) | 16/03/2003 |
| 15 | Regulation – section 371(sch7) | Persons undertaking electrical activities or electrical work | Appropriate electrical workers licence or competency required under the <i>Electrical Safety Act 2002</i> , for the activity or work undertaken. | |

| No. | Act/Regulation | Position | Required competency | Required from |
|-----|--------------------------------|---|---|---------------|
| 16 | Act – section 67(6) | Certifying Mine Survey Plans Underground Plans only | A person holding a registration as a surveyor under the <i>Surveyors Act 2003</i> with an endorsement of 'Mining (UC)' | |
| | | Certifying Mine Survey Plans Surface Plans only | A person holding a registration as a surveyor under the <i>Surveyors Act 2003</i> with an endorsement of 'Mining (O)' | |
| 17 | Regulation – section 371(sch7) | Opencut Shotfirer | <ul style="list-style-type: none"> Relevant shotfirer's licence issued under the <i>Explosives Act 1999</i>; or Open-cut Examiner's Certificate granted under the <i>Coal Mining Act 1925</i> free from an endorsement prohibiting shotfiring; or RIIBLA301D (previously RIIBLA301A, MNCO1040B, MNCO1040A or MNC.O40.A) | 01/01/2002 |
| 18 | Regulation – section 371(sch7) | Opencut Assistant Shotfirer | <ul style="list-style-type: none"> Relevant shotfirer's licence issued under the <i>Explosives Act 1999</i>; or Open-cut Examiner's Certificate granted under the <i>Coal Mining Act 1925</i> free from an endorsement prohibiting shotfiring; or RIIBLA301D (previously RIIBLA301A, MNCO1040B, MNCO1040A or MNC.O40.A); or RIIBLA201D (previously RIIBLA201A, MNCO1041B, MNCO1041A or MNC.O41.A) | 01/07/2002 |
| 19 | Regulation – section 275 | Person in charge of winders | <p>For a manually operated winder, slope haulage and hoist equipment, a machine and mode specific competency is required. It must meet the minimum requirements in RIIUND301D Operate manual winder.</p> <p>The machine and mode specific competency package is to be audited by an RTO and content expert familiar with winder operations prior to its application.</p> | 17/10/2016 |
| 20 | Regulation – section 82(2)(f) | Training Designers, Developers or Deliverers and persons managing and implementing mines training schemes | <ul style="list-style-type: none"> Competencies from the BSZ98, TAA04, TAE10 or TAE16 suites of competency standards relevant to the training being provided; or Course in field-based training and assessment (10235NAT); or Possession of an equivalent training qualification | 01/01/2018 |
| 21 | Regulation – section 82(2)(f) | Training Assessors | <ul style="list-style-type: none"> Competencies from the BSZ98, TAA04, TAE10 or TAE16 suites of competency standards relevant to the assessment being provided; or Course in field-based training and assessment (10235NAT) | 16/03/2001 |
| 22 | Regulation – section 371(sch7) | Underground Mechanical Engineer | RIIRIS402D (previously RIIRIS402A, MNCG1002B, MNCG1002A) | 01/12/2002 |

| No. | Act/Regulation | Position | Required competency | Required from |
|-----|---|--|--|---------------|
| 23 | Regulation – Section 20(1) | Persons repairing, overhauling and maintaining electrical equipment for explosive atmospheres at a coal mine. | UEENEEM080A (previously UEENEEM001B, UTENES010A), UEENEEM019A (previously UEENEEM002B, UTENES012A), UEENEEM023A (previously UEENEEM004B, UTENES107A), UEENEEM027A (previously UEENEEM006B, UTENES214A), UEENEEM038A (previously UEENEEM009B, UTENES408A), UEENEEM042A (previously UEENEEM010B, UTENES409A), UEENEEM043A (previously UEENEEM011B, UTENES410A), with endorsements, where applicable, relevant to the explosion protection techniques at the coal mine. | 31/12/2003 |
| 24 | Regulation – Section 20(2) | Persons carrying out work on extra low voltage systems associated with mobile plant for an underground coal mine | UEENEEM080A (previously UEENEEM001B, UTENES010A), UEENEEM019A (previously UEENEEM002B, UTENES012A), with endorsements, where applicable, relevant to the explosion protection techniques at the coal mine. | 31/12/2003 |
| 25 | Regulation – Sections 71, 260(2)(b) & 371(sch 7(5)) | Persons inspecting, testing and maintaining diesel engine systems | RIIDES301D, RIIDES302D, RIIDES303D, RIIDES304D, RIIDES305D, RIIDES306D, RIIDES307D | 01/01/2014 |
| 26 | Regulation – Sections 66, 71, 260(2)(h) & 371(sch 7(5)) | Persons analysing and evaluating light vehicle braking systems | AURLTB002 (previously AURLTB5002) with Range of Variable endorsements, where applicable, relating to the braking testing techniques and equipment used at the coal mine. | 01/01/2014 |
| 27 | Regulation – Sections 66, 71, 260(2)(h) & 371(sch 7(5)) | Persons analysing and evaluating wheeled mobile plant braking systems | AURKTB002 (previously AURKTB5002,AURT572593A) with Range of Variable endorsements, where applicable, relating to the braking testing techniques and equipment used at the coal mine. | 01/01/2014 |
| 28 | Regulation – Sections 66, 71, 260(2)(h) & 371(sch 7(5)) | Persons analysing and evaluating heavy vehicle braking systems | AURHTB005 (previously AURHTB5005) with Range of Variable endorsements, where applicable, relating to the braking testing techniques and equipment used at the coal mine. | 01/01/2014 |

| No. | Act/Regulation | Position | Required competency | Required from |
|-----|-------------------------------------|---|---|---------------|
| 29 | Regulation – section 371 (sch 7(9)) | Persons carrying out respirable dust sampling at a coal mine in accordance with AS 2985 | <ol style="list-style-type: none"> 1. BSBWHS409 delivered by SIMTARS or <ol style="list-style-type: none"> (b) competency based training equivalent to BSBWHS409 delivered by Coal Services NSW and 2. competency based training delivered by SIMTARS or Coal Services NSW that addresses each of the following: <ol style="list-style-type: none"> i. sampling to <i>AS 2985—2009 Australian standard: workplace atmospheres—method for sampling and gravimetric determination of respirable dust</i> ii. appropriate data to be collected during sampling, including observations iii. use and applications of real-time monitors iv. use and application of an anemometer v. dust observation methods and best practices for underground mines vi. dust observation methods and best practices for surface mines | 01/07/2017 |

Notes on qualifications and competency standards

Equivalent qualifications: Inherent in Section 55 of the *Coal Mining Safety and Health Act 1999* is the obligation on the site senior executive to ensure that there is an auditable system to determine that other qualifications adopted, where allowed by the Committee, are equivalent to those recognised by the Committee.

Applicable Units of Competency, Training Packages

RIIRIS301D Apply risk management processes, (previously RIIRIS301B, RIIRIS301A, MNCG1001A or QMS1) and equivalent, RIIWHS301D Conduct safety and health investigations, (previously RIIOHS301A, MNCG1008A or QMS2) and equivalent, and RIICOM301D Communicate information, (previously RIICOM301B, RIICOM301A, MNCG1009A or QMS3) and equivalent.

General, all operations –

- RIIRIS201D Conduct local risk control (Previously RIIRIS201B, RIIRIS201A, MNCC1006B, MNCC1006A or MNC.C6.A)
- RIIERR201D Conduct fire team operations (previously RIIERR201A, MNCG1005A or MNC.G5.A)
- RIIRIS402D Carry out the risk management process (previously RIIRIS402A, MNCG1002B, MNCG1002A)
- RIIRIS601D Establish and maintain the risk management system (previously RIIRIS601A, MNCG1003A)
- MINE7033 Minerals Industry Risk Management
- GMIRM Global Minerals Industry Risk Management
- MINE7041 Mine Occupational Health and Safety Management
- RIIWHS601D Establish and maintain the OHS management system (previously RIIOHS601A, MNCG1107A)
- BSZ98 Business services national training package
- TAA04 Training and assessment training package
- TAE10 Training and assessment
- TAE16 Training and assessment
- 10235NAT Field-based training and assessment
- MNC98 National coal industry training package
- MNC04 Coal Training Package
- RII09 Resource and Infrastructure Industry Training Package
- RII Resource and Infrastructure Industry Training Package
- MNC50404 Diploma of Mine Electrical Engineering
- AURLTB002 Analyse and evaluate faults in light vehicle braking systems (previously AURLTB5002)
- AURKTB002 Analyse and evaluate faults in wheeled mobile plant braking systems (previously AURKTB5002, AURT 572593A)
- AURHTB005 Analyse and evaluate faults in heavy vehicle braking systems (previously AURHTB5005)

Underground operations –

- RIIBLA302D Conduct shotfiring operations in underground coal mines (previously RIIBLA302A, MNCU1048B, MNCU1048A or MNC.U48.A)
- RIIBLA202D Support underground shotfiring operations, (previously RIIBLA202B, RIIBLA202A, MNCU1049B, MNCU1049A or MNC.U49.A,)
- RIIDES301D Inspect, test and maintain diesel engines and their ancillary systems
- RIIDES302D Inspect, test and maintain joints on diesel engine systems
- RIIDES303D inspect, test and maintain cooling systems on diesel engine systems
- RIIDES304D Inspect, test and maintain inlet systems on diesel engine systems
- RIIDES305D Inspect, test and maintain exhaust systems on diesel engine systems
- RIIDES306D Inspect, test and maintain safety shutdown systems on diesel engine systems
- RIIDES307D Test, determine the cause and rectify excessive emission levels on diesel engine systems
- RIIUND301D Operate manual winder
- RIIUND603D Manage, operate and maintain the mine ventilation system (previously RIIUND603A, MNCU1109A or MNC.U109.A)

Surface (open cut) operations –

- RIIBLA301D = Conduct surface shotfiring operations (previously RIIBLA301A, MNCO1040B, MNCO1040A or MNC.O40.A or)
- RIIBLA201D = Support shotfiring operations (previously RIIBLA201A, MNCO1041B, MNCO1041A or MNC.O41.A)

Information on training packages, providers and competency standards is available from <http://www.training.gov.au>.

Updates:

- 22 January 2018—
 - amendments and additions to positions and competencies; rows 20 and 21
 - Coal Mining Safety and Health Regulation 2001 superseded by Coal Mining Safety and Health Regulation 2017
- March 2017—
 - updated units of competency for Underground Electrical Engineering Manager and Surface Electrical Engineering Manager; rows 9 and 10,
 - amendments to requirements for Person in charge of winders; row 19, and
 - updated units of competency for analysing and evaluating braking systems; rows 26, 27 and 28
 - update of the wording of the competency for person carrying out respirable dust sampling at a coal mine in accordance with AS 2985; row 29
- December 2016—addition of competencies for person carrying out respirable dust sampling at a coal mine in accordance with AS 2985; row 29
- April 2016—amendments to requirements for Person in charge of winders; row 19, and minor changes to text in rows 9, 10, 23 and 24
- August 2015—updated units of competency from RII09 to RII training package and updated requirements for certifying mine survey plans; row 16
- 10 October 2014—amendments to requirements for certifying mine survey plans; row 16
- 12 December 2013—amendments to competencies on diesel engine systems and braking systems; rows 26, 27 and 28
- 9 September 2013—amendments to competencies on diesel engine systems and braking systems; rows 26, 27 and 28
- 25 July 2013—addition of competencies on diesel engine systems and braking systems; rows 25 and 26
- 7 December 2011—addition of updated competency suite for trainers and training assessors; rows 20 and 21
- 14 November 2011—update to requirements for Site Senior Executives; row 8, and those certifying mine survey plans; row 16
- 14 December 2009—amalgamation of several training packages into ‘RII09 Resources and Infrastructure Industry Training Package’