



BUILDING BRIGHTER FUTURES

Recognised Standard 22 The Good, Bad and Ugly

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Peabody

Part 5 Recognised standards

71 Purpose of recognised standards

A standard may be made for safety and health (a *recognised standard*) stating ways to achieve an acceptable level of risk to persons arising out of coal mining operations.

37 How obligation can be discharged if regulation or recognised standard made

- (1) If a regulation prescribes a way of achieving an acceptable level of risk, a person may discharge the person's safety and health obligation in relation to the risk only by following the prescribed way.
- (2) If a regulation prohibits exposure to a risk, a person may discharge the person's safety and health obligation in relation to the risk only by ensuring the prohibition is not contravened.
- (3) Subject to subsections (1) and (2), if a recognised standard states a way or ways of achieving an acceptable level of risk, a person discharges the person's safety and health obligation in relation to the risk only by—
 - (a) adopting and following a stated way; or
 - (b) adopting and following another way that achieves a level of risk that is equal to or better than the acceptable level.

164 Directive to ensure coal mine worker competent

If an inspector believes that a particular task at a coal mine should be performed only by persons with a particular competency, the inspector may give a directive that the task be performed only by a person with the competency.

166 Directive to reduce risk

- (1) If an inspector or inspection officer reasonably believes a risk from coal mining operations may reach an unacceptable level, the inspector or officer may give a directive to any person to take stated corrective or preventative action to prevent the risk reaching an unacceptable level.
- (2) The directive may be given orally or by notice.
- (3) If the directive is given orally, the person giving the directive must confirm the directive by notice to the person in control of the mine or part of the mine affected by the directive and to the relevant site senior executive.
- (4) Failure to comply with subsection (3) does not affect the validity of the directive.

Recognised Standard 22

Management Structure for the development and implementation of the Safety and Health Management System

Resources Safety and Health Queensland

August 2021

Coal Mining Safety and Health Act 1999

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Recognised standards (coal mines)

Section 72(1) of the *Coal Mining Safety and Health Act 1999* specifies that the Minister may make recognised standards. Standards state ways of achieving an acceptable level of risk for people working in coal mines. Operators can manage the risk in a different way but must be able to show that the method used is at least equivalent to the method in the recognised standard.

- [RS1: Underground electrical equipment and electrical installations \(PDF, 193KB\)](#)
- [RS2: Control of risk management practices \(PDF, 500KB\)](#)
- [RS3: Explosion protected diesel engines \(PDF, 146KB\)](#)
- [RS4: Underground non-explosion protected vehicles \(PDF, 364KB\)](#)
- [RS5: Quality of incombustible dust, sampling and analysis of roadway dust in underground coal mines \(PDF, 531KB\)](#)
- [RS6: Inspections for underground coal mines \(PDF, 513KB\)](#)
- [RS7: Criteria for the assessment of drugs in coal mines \(PDF, 519KB\)](#)
- [RS8: Conduct of mine emergency exercises \(PDF, 644KB\)](#)
- [RS9: Monitoring of sealed areas \(PDF, 503KB\)](#)
- [RS10: Mine surveying and drafting \(PDF, 596KB\)](#)
- [RS11: Training in coal mines \(PDF, 603KB\)](#)
- [RS12: Place change mining operations in underground coal mines \(PDF, 748KB\)](#)
- [RS13: Tyre, wheel and rim management \(PDF, 1.7MB\)](#)
- [RS14: Monitoring respirable dust in coal mines \(PDF, 717KB\)](#)
- [RS15: Underground respirable dust control \(PDF, 2.3MB\)](#)
- [RS16: Use and control of polymeric chemicals at underground coal mines \(PDF, 1.1MB\)](#)
- [RS17: Hazardous chemicals \(PDF, 2.7MB\)](#)
- [RS18: Management of heat in underground coal mines \(PDF, 581KB\)](#)
- [RS19: Design and construction of mine roads \(PDF, 926KB\)](#)
- [RS20: Dust control in surface mines \(PDF, 2.3MB\)](#)
 - [RS20 Summary report \(PDF, 2.7MB\)](#)
- [RS21: Underground Explosion Barriers \(PDF, 707KB\)](#)
- [RS22: Management structure for the development and implementation of the Safety and Health Management System \(PDF, 641KB\)](#)
- [RS23: Fluid power safety in coal mines \(PDF, 834KB\)](#)

The Minister for Resources can approve recognised standards to be reviewed or developed by a Recognised Standard Tripartite Working Group (RSTWG).

Guidance notes

Coal mines

- [QGN05: Mine record \(PDF, 449KB\)](#)
- [QGN07: Reporting serious accidents and high potential incidents to an Inspector of Mines or an Industry Safety and Health Representative \(PDF, 643KB\)](#)
- [QGN09: Reviewing the effectiveness of safety and health management systems \(PDF, 609KB\)](#)
- [QGN10: Handling explosives \(surface and quarry\) \(PDF, 1.2MB\)](#)
- [QGN11: Handling explosives \(underground\) \(PDF, 788KB\)](#)
- [QGN15: Emergency preparedness for small mines and quarries \(PDF, 723KB\)](#)
- [QGN16: Fatigue risk management \(PDF, 2.1MB\)](#)
- [QGN20: Management of oxides of nitrogen in open cut blasting \(PDF, 2.5MB\)](#)
- [QGN22: Management of noise in mines \(PDF, 1.5MB\)](#)
 - [Appendix 3 Prevention poster \(PDF, 1.4MB\)](#)
 - [Appendix 4 Protect your hearing at work and home poster \(PDF, 1.1MB\)](#)
 - [Appendix 5 Protect your hearing at home poster \(PDF, 2.9MB\)](#)
- [QGN26: Electric propulsion systems used in self-powered earth moving machinery \(PDF, 266KB\)](#)
- [QGN32: Managing exposure to heat in surface coal mines and surface areas of underground coal mines \(PDF, 4MB\)](#)
- [QGN33: Autonomous mobile machinery and vehicle introduction and their use in coal mining \(PDF, 496KB\)](#)

Guidelines (coal mines)

Guidelines are published by the Coal Mines Inspectorate to provide operators with ways of achieving an acceptable standard of risk for people working in coal mines.

- [Underground coal mines: VCD Hatch Seals \(PDF, 408KB\)](#)

Recognised Standard 22 – The Good

- Broadbrush risks Linked to the Management Structure
- There is a Senior Manager allocated to own the risk
- Managing the risks are written into Supervisors job descriptions.
- Competencies are identified for each of the mine sites risks



Recognised Standard 22 – The Bad

- Intent to develop a ‘*Management Structure for the development and implementation of the Safety and Health Management System*’
- Competency over competency
- Linking risks to AQF levels aligned to role.
- Qld Coal Industry is not large enough to support the model.
- No courses for many of the risks
- Not viable for RTO’s to develop and deliver
- RPL to just get right competencies is waste of time

12 Meaning of competence

Competence for a task at a coal mine is the demonstrated skill and knowledge required to carry out the task to a standard necessary for the safety and health of persons.

AQF level	Position	Description of Position	SHMS Role
Level 6 +	Senior	Manager/Superintendent	Establish (Develop) and maintain
Level 5	Supervisory	Superintendent / Coordinator	Implement
Level 4	Supervisory	Supervisor	Apply and Monitor

Senior Position	RIIMCU604D - Establish and maintain the outburst management plan
Superintendent/Supervisory Position	RIIMCU504D - Implement the outburst management plan
Supervisory Position	RIIMCU405D - Apply and monitor the outburst management plan
Coal Mine Worker	RIIMCU305D - Conduct outburst mining operations

The overarching framework that an SSE should follow for development of a Management Structure is set out in Figure 1.

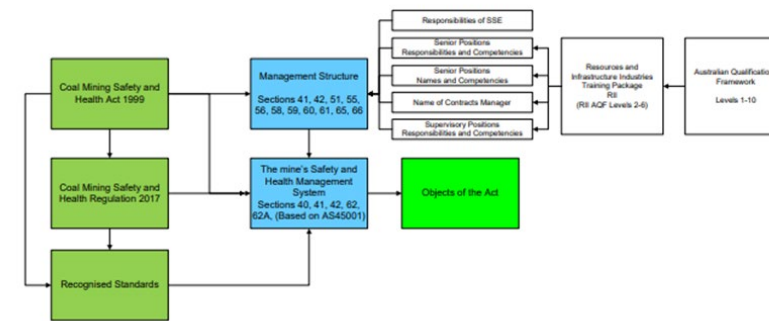


Figure 1. Overarching Framework

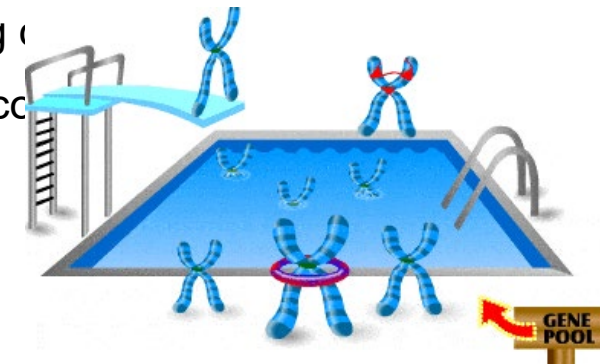
Recognised Standard 22 – The Bad

- The Perfect Storm in Training
 - Recognised Standard 22 Competency Requirements
 - Omnibus Bill – Proposed changes
 - Practising Certificate Scheme
 - Advisory Council – Competency and experience requirements
 - Board of Examiners – Orals, re-sit requirements
 - Additional certificates of competency.
 - 5 year competency refreshers
 - How do we know what actually worked and didn't??
 - It's all inconsistent.



Recognised Standard 22 – The Ugly

- The Gene pool of candidates for roles continues to get smaller
- More competency requirements for more roles have less suitable candidates
- The Coal Mining Training system for Statutory Tickets is broken and nobody wants to put the effort into fixing it.
- We are still riding on the back of the Stat Tickets completed 30 years ago, when Ipswich etc shut-down
- People with Statutory Tickets are getting older, experience is walking out the door
- We're making it harder and harder for anyone from outside of Australia
- We've basically put a glass ceiling in place stopping Mining Engineers becoming Mine Managers and SSE's.
- Need develop a 10 year plan to address
- Industry needs to support the development of all the training courses
- Industry needs to support and subsidise the delivery of the courses
- Promote the career paths in the coal mining industry &
- Incentivise people to do the courses



An aerial photograph of a large industrial facility, likely a coal processing plant, with a blue color overlay. The image shows a long conveyor belt system leading to a large pile of material, with several rail cars visible on the left. In the background, there are various industrial structures and a body of water.

Thank You!

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