

How To Comply With The New Critical Control Management Requirements of the QLD Mining Legislation

Christian Young – CEO



Tell us about you



Where are you watching from?

 On a scale of 1-10 how familiar are you with the revised Critical Control Management requirements?



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Christian Young – CEO



3 Gets



Get your tools

Get rid of distractions

Get in state

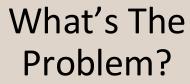


What's the impact if you don't get the management of Critical Controls, right?

Where are we with CCM & Legislation?









How do we know this to be true?



My Promise

I help you save lives at work







































My style

IMPRESS

saving lives at work

saving lives at work

UMM!!!!

Shorten it to "CCM"

We'll move fast

I need you



Content

The Fundamentals

Q&A

My all won't be enough







Stick around

Slides

This Recoding

Free bonus?



What are the changes and where did they come from?

Resources Safety and Health Legislation Amendment Bill 2024



Policy objectives and the reasons for them

The principal policy objectives of the Bill are to improve the sector's safety and health performance to reduce the occurrence of fatalities and serious accidents. It facilitates growth in high-reliability organisation (HRO) behaviours within the resources sector, modernises regulatory enforcement powers and ensures resources safety and health legislation is contemporary and effective.

The reforms have been informed by: a review of all fatal accidents in Queensland mines and quarries from 2000 to 2019 (Brady Review); the Queensland Coal Mining Board of Inquiry (Coal Mining Board of Inquiry) finalised in May 2021; and the Queensland Government's mining industry-wide safety resets in 2019 and 2021.

The Bill contains a package of preventative and proactive reforms that amend the *Resources Safety and Health Queensland Act 2020* (RSHQ Act), the *Coal Mining Safety and Health Act 1999* (CMSHA), the *Explosives Act 1999* (Explosives Act), the *Mining and Quarrying Safety and Health Act 1999* (MQSHA), and the *Petroleum and Gas (Production and Safety) Act 2004* (P&G Act), collectively referred to as the Resources Safety Acts, to:

- facilitate the growth in HRO behaviours within the resources sector—these amendments
 place emphasis on reforms that improve the implementation of critical controls by
 industry, increased competency requirements for critical roles, improved training,
 continual professional development requirements, information sharing and incident
 notification and reporting, and strengthening protections for workers against reprisals;
- modernise regulatory enforcement powers—these amendments will enhance existing
 compliance and enforcement tools under the Resources Safety Acts, such as the directives
 framework, as well as introduce enforceable undertakings and further court orders;
- · provide for more contemporary legislation; and
- enhance the operation and administration of the legislation through a range of minor operational amendments.

Objective

Inputs to Amendments

What's impacted

Intended Outcome

What's included



- Facilitating the growth in high-reliability organisational (HRO) behaviours
 - Critical Control Management
 - Competency for key safety critical roles
 - Continuing professional development (CPD)
 - Improved data and incident reporting
 - Information sharing to improve safety
- Modern regulatory enforcement
 - Enforceable undertakings
 - Court orders
 - Directives
- Contemporary legislation
 - Labour hire agencies, contractors and service providers
 - Industrial manslaughter
 - Remote operating centres (ROCs)
 - · Safety critical roles at or near the mine site
 - A contemporary Board of Examiners

Passed on 12th June 2024



- 12-month window starts on 1st June 2025
- Recent Intelligence;
 - By 1 September 2025, Underground Mines must integrate critical controls into 13 mandatory PHMPs; Open-cut Mines into 4 mandatory PHMPs.
 - By 10 June 2026, critical controls must be fully integrated into PHMPs.

Resources Safety and Health Legislation Amendment Bill 2024

Introduced by: Hon S Stewart MP on 18/4/2024

Stage reached: PASSED with amendment on 12/6/2024

▶ Bill

Exp Note

▶ Statement of Compatibility

▶ Explanatory Speech

▶ Committee

▶ AinC govt agreed

▶ AinC exp note

▶ AinC statement of compatibility



What are the Critical Control Management Requirements

Objective



Critical controls

The policy objective is achieved by amending the CMSHA and the MQSHA to integrate critical control requirements within the SHMS. These amendments will ensure critical controls are clearly and specifically incorporated as a component in the overall SHMSs for all coal mines, metalliferous mines and quarries, so that there is a clearer focus on critical controls and their effectiveness and ensuring that risk to persons from operations are kept at an acceptable level. The focus is on the most serious risks to safety and health and the critical controls definition aligns with the International Council on Mining and Metals' guidelines.

Amendment of Coal Mining Safety and Health Act 1999



Amendment of s 30 (How is an acceptable level of risk achieved)

Clause 6 amends section 30(2) to add critical controls to what risk management elements and practices the systems at a coal mine must incorporate to achieve an acceptable level of risk.

Amendment of s 47A (Obligation of officers of corporations)

Clause 15 subclause (1) amends section 47A(3)(b) and (d) so that the due diligence required of officers of corporations will also include gaining an understanding of critical controls associated with the coal mining operations, and to ensure the corporation's processes for receiving and considering information regarding incidents, hazards and risks and responding in a timely way, also includes receiving and considering information regarding critical controls.

Amendment of s 62 (Safety and health management system)

Subclause (2) amends section 62(5) to include identifying critical controls as a measure to ensure that an SHMS is adequate and effective to achieve an acceptable level of risk.

Amendment of s 63 (Principal hazard management plan)

Clause 34 amends section 63(1) to require that a principal hazard management plan must also include critical controls.

Amendment of sch 3 (Dictionary)

The definition of "critical control" is inserted and means a risk control measure for a coal mine that is critical to prevent a material unwanted event at the coal mine or mitigate the consequences of a material unwanted event at the coal mine; and the absence or failure of which would significantly increase risk despite the existence of other risk control measures. This new definition supports amendments made by this Bill to introduce critical controls as part of SHMS requirements under the Act. It is based on the definition used in the International Council on Mining and Metals' Health and Safety Critical Control Management: Good Practice Guide.

The definition of "material unwanted event" at a coal mine, means an unwanted event in relation to which the potential or real consequence to safety or health exceeds a threshold defined by the coal mine operator as warranting the highest level of attention. It is based on the definition used in the International Council on Mining and Metals' *Health and Safety Critical Control Management: Good Practice Guide*.

Timeline

Section 329 (Deferral of requirements relating to critical controls) provides that new sections 30, 47A, 62(5) and 63(1) do not apply until the day that is 1 year after the commencement. Former sections 30, 47A, 62(5) and 63(1) continue to apply until that day that is 1 year after the commencement. This will provide 1 year for SSEs to have critical controls included in the principal hazard management plans and SHMS for a coal mine.

Amendment of Mining and Quarrying Safety and Health Act 1999



Amendment of s 27 (Risk management)

Clause 153 amends section 27 to add critical controls to what risk management elements and practices the systems at a mine must incorporate to achieve an acceptable level of risk.

Amendment of s 44A (Obligation of officers of corporations)

Clause 162 subclause (1) amends section 44A(3)(b) and (d) so that the due diligence required of officers of corporations will also include gaining an understanding of critical controls associated with the operator's mining operations, and to ensure the corporation's processes for receiving and considering information regarding incidents, hazards and risks and responding in a timely way, also includes receiving and considering information regarding critical controls.

Amendment of s 55 (Safety and health management system)

Subclause (2) amends section 55(5) so that the requirements for a mine's SHMS to be adequate and effective to achieve an acceptable level of risk also includes identifying critical controls. Under other subsections of section 55 this will also require implementing and monitoring critical controls as part of the SHMS.

The definition of "critical control" is inserted to mean a risk control measure for a mine that is critical to prevent material unwanted event or mitigate the consequences of a material unwanted event at the mine; and the absence or failure would significantly increase risk despite the existence of other risk control measures. This new definition supports amendments made by this Bill to introduce critical controls as part of SHMS requirements under the Act. It is based on the definition used in the International Council on Mining and Metals' Health and Safety Critical Control Management: Good Practice Guide.

The definition of "material unwanted event", at a mine, means an unwanted event in relation to which the potential or real consequence to safety or health exceeds a threshold defined by the operator as warranting the highest level of attention. It is based on the definition used in the International Council on Mining and Metals' *Health and Safety Critical Control Management:* Good Practice Guide. The amendment is necessary because the term is now used in several provisions within the Act.

Timeline

Section 296 (Deferral of requirements relating to critical controls) subclause (1) provides that new sections 27, 44A, and 55(5), as amended by the *Resources Safety and Health Legislation Amendment Act 2024*, do not apply until the day that is 1 year after the commencement.



How to comply with CCM Requirements



Definitions

Material Unwanted Event



Coal Mining Safety and Health Act 1999

The definition of "material unwanted event" at a coal mine, means an unwanted event in relation to which the potential or real consequence to safety or health exceeds a threshold defined by the coal mine operator as warranting the highest level of attention. It is based on the definition used in the International Council on Mining and Metals' *Health and Safety Critical Control Management: Good Practice Guide*.

Mining and Quarrying Safety and Health Act 1999

The definition of "material unwanted event", at a mine, means an unwanted event in relation to which the potential or real consequence to safety or health exceeds a threshold defined by the operator as warranting the highest level of attention. It is based on the definition used in the International Council on Mining and Metals' *Health and Safety Critical Control Management:* Good Practice Guide. The amendment is necessary because the term is now used in several provisions within the Act.

Suggested Action



- Review current definition of your "Critical Risk" and ensure alignment to legislation.
 - If you use a different term (e.g. Material Risk. Critical Risk) ensure alignment to definition and linkage to legislated term.
 - Ensure reference to "exceeding a threshold"
- If you don't have this term, consider accepting this definition.
- Ensure the definition is document within your SHMS (e.g. Risk Management Procedure, Glossary of Terms, etc)
- Self Assessment How compliant is your organisation to this requirement? (rating out of 10)



- The legislation does not 'tell you' which of your risks are material unwanted events. You need to work it out.
- To calculate which risks are material you need to define a threshold based on consequence.
- So how do you do this?



Material Consequences

will be classed a
Material Unwanted
Event and included
within the Broad-Brush
Risk Assessment

Materiality Threshold

Immaterial
Consequences
will not be included
within the BBRA
Managed via other
Risk Management
(WRAC, JSA, SLAM)

	l			saving lives at wo	78	
	Health & Safety	Environment	Financial Impact	Image & Reputation / Community	Legal & Compliance	
5 Catastrophic	Multiple fatalities (2 or more fatalities in a single incident) Multiple cases (5 or more) of Permanent Damage Injuries or Diseases that result in permanent disabilities in a single incident	Unconfined and widespread Environmental damage or effect (permanent; >10 years) Requires major remediation	>\$600M investment return >\$100M operating profit >\$20M property damage	Loss of multiple major customers or large proportion of sales contracts Sustained campaign by one or more international NGOs resulting in physical impact on the assets or loss of ability to operate Security incident resulting in multiple fatalities or major equipment damage Formal expression of significant dissatisfaction by government Grievance from internal or external stakeholder alleging human rights violation resulting in multiple fatalities	Major litigation / prosecution at corporal level Nationalisation / loss of licence to operate	
4 Major	Single incident resulting 1 Fatality Permanent Damage Injury or Disease that results in a permanent disability- less than 5 cases in a single incident	Long-term (2 to 10 years) impact Requires significant remediation	\$60-600M investment return \$20-100M operating profit \$2-20M property damage	Security/ stakeholder incident resulting in single loss of life or equipment damage Grievance from internal or external stakeholder alleging human rights violation resulting in single fatality or serious injuries Topic of broad societal concern and criticism Negative media coverage at international level resulting in a Corporate statement within 24 hours Investigation from government and/ or international (or high-profile) NGOs Complaints from multiple "final" customers Loss of major customer Negative impact on share price	Major litigation / prosecution at Department level	
3 Moderate	Lost Time Injury (LTI) Lost Time Disease (LTD) Permanent Disabling Injury (PDI) Permanent Disabling Disease (PDD) Single incident that results in multiple medical treatments	Medium-term (<2 years) impact (typically within a year) Requires moderate remediation	\$6-60M investment return \$2-20M operating profit \$200K-2M property damage	Negative media coverage at national level over more than one day Complaint from a "final" customer Off-spec product Local Stakeholder action resulting in national societal scrutiny	Major litigation / prosecution at Operation level	
2 Minor	Medical Treatment Injury (MTI) Medical Treatment Disease (MTD) Restricted Work Injury (RWI) Restricted Work Disease (RWD)		\$600K-6M investment return \$200K-2M operating profit \$10-200K property damage	Negative local/ regional media coverage Complaint received from an internal or external stakeholder	Regulation breaches resulting in fine or litigation	
1 Negligible	First Aid Injury (FAI) or illness (not considered disease or disorder)	Near source and confined No lasting environmental damage or effect (typically <day) minor="" no="" or="" remediation<="" requires="" td=""><td><\$600K investment return <\$200K operating profit <\$10K property damage</td><td>Negligible media interest</td><td>Regulation breaches without fine or litigation</td></day)>	<\$600K investment return <\$200K operating profit <\$10K property damage	Negligible media interest	Regulation breaches without fine or litigation	



- Once you have identified your threshold define the threshold within your SHMS e.g.
 - "A risk is classed as a Material Unwanted Event if its potential consequence is equal to or exceeds the following Criteria;
 - Health and Safety Consequence equal to or exceeding Level 4
 - Environment Consequence equal to or exceeding Level 3
 - Etc, etc,"
- Self Assessment How compliant is your organisation to this requirement? (rating out of 10)



 Does this mean that potential single fatality consequence events will be classed as Material Unwanted events?



- Once you have identified your threshold you need a mechanism to formally identify which risks meet or exceed your materiality threshold.
- What is a mechanism you can use for this?

Broad Brush Risk Assessment (BBRA)



- Sometimes called Base Line Risk Assessment (BLRA).
- The objective of the BBRA is to look across an entire organisation or site, identify the hazards, find potential MUEs and prioritise them.
- Often completed in the WRAC template.
- Good practice is to complete / review the BBRA every 12 months.
- Self Assessment How compliant is your organisation to this requirement? (rating out of 10)

					Maximum	Material			Likelihood of the	Consequence Types (given current controls)						
Geographic Area	Hazard / Risk Source Classification	Hazard / Risk Source Description	Release Mechanism Example of how this energy can be released (unwanted events)	Description of Unwanted Event	consequen ce (with no controls)	Material Unwante d Event (Yes, No)	Functional Ownership	Current Controls	Event (given current controls)	(H&S	(E)	(F)	(R)	(L&R)	(S&C)	Max Risk Rank
Underground	Mechanical (Mobile)	Underground Mobile Equipment	Single Vehicle Incident (Rollover, runaway, uncontrolled movement, break through windrow, runaway vehicle) Multiple Vehicle Incident (Vehicle Collision), Pedestrian Strike	Loss of control of mobile equipment (underground)	C6: Ext	Yes	Open Pit Manager Mining	Corporate - Major Hazard Management Standard Regional - Principal Mining Hazard Management Standard TM & S.D Areas: where mobile equipment operates PHMP TM & S.D Traffic Management Plans TM & S.D Underground Traffic Management Plan	L4: Likely	C6: Ext						34 (E)
Surface	Mechanical (Mobile)	Surface Mobile Equipment	Single Vehicle Incident (Rollover, runsway, uncontrolled movement, contact with infestructure, contact with Pit wall) Multiple Vehicle Incident (Vehicle Collisin), Pedestrian Strike, bussing of personnel 50 - Haulage vehicles crossing public access road Autonomous drill interaction or uncontrolled movement	Loss of control of mobile equipment (surface)	C6: Ext	Yes	Open Pit Manager Mining	Corporate - Major Hazard Management Standard Regional - Procipal Mining Hazard Management Standard Ma 10 - Area show on other edystemes concerns SMAP 104 10 - Autonomous Regional Mining Mining Management Mining M	L4: Likely	C6: Ext						34 (E)
Officase	Mechanical (Mobile)	Offsite vehicle incident	Journey incident, Single Vehicle Incident, vehicle Collision,	Loss of control of vehicle offsite	C6: Ext	Yes	Open Pit Manager Mining	Corporate - Major Hazard Management Standard Regional - Principal Mining Hazard Management Standard So - Offste Journey Management and Remote Area Access Procedure TM - Drive in and Drive Out Procedure	L4: Likely	C6: Ext						34 (E)
Whole of Site	Mechanical (Fixed)	Collapse of Structure	Processing plant structural failure, Tank Failure, Conveyor structure failure, Bin Structural Failure, Failure of concrete foundations	Collapse of Structure	C6: Ext	Yes	Chief Engineer	TM - TGM Scaffolding Management Plan SD - Classified Plant Procedure Third Party Annual Structural Integrity Audit	L3: Unlikely	C6: Ext						32 (E)
Whole of Site	Aviation	Aviation Incident	On site Incident, offsite incident, Drones, Helicopter operations, Charter Flights, underground drones	Aviation Incident	C6: Ext	Yes	Regional Aviation Appointed person - Aerodrome Survey - Drone	Cop. AGA A nistan broncher Cop. AGA A nistan broader Son - AGAA Remedity Priced Arcest Son - AGAA Stemedity Priced Arcest Son - AGAA Stemedity Priced Arcest Son - Agardone Safety Management System, Son - Amedicine Marka	L2: Very Unlikely	C6: Ext						30 (M)
Whole of Site	Confined Spaces	Confined Spaces	Toxic Atmosphere, Engulfment, Irrespirable atmosphere flammable atmosphere Tanks, chutes, pits, mobile plant spaces,	Exposure to toxic or irrespirable atmosphere in confined space	C6: Ext	Yes	Processing Manager	TM - Confined Spaces Procedure TM - Permit to Work and Isolations Procedure SD - PTW - Confined Entry Procedure SD - PTW - Formit to Work	L2: Very Unlikely	C6: Ext						30 (M)
Whole of Site	Pressure / Explosions	Explosion (not from Explosives)	Flammable gas, Bottled Gas, O2 Plant, Hot Works,	Explosion (not from Explosives)	C6: Ext	Yes	H&S Manager	Corporate - Major Hazard Management Standard Regional - Principal Mining Hazard Management Standard SD - Fire Explosions PHMP TM - Fire Explosions PHMP	L2: Very Unlikely	C6: Ext						30 (M)
Surface	Fire	Surface Fire	Building fire, conveyor fire, tyre fire, bush fire, warehouse, hazardous substance, Mobile Equipment Fire, Mill Fire, Uthium batteries in battery propelled transport (e.g. buggy's).	Surface fire	CS: Maj	Yes		Corporate Major Hazard Management Standard Regional Principal Mining Hazard Management Standard 50- Fee Explosion SIPMP 15- Fee Protection SIPMP 50- Fee Protection Supplement Procedure 50- Fee Protection Systems Impairment Procedure	L2: Very Unlikely	C5: Maj						27 (M)

Critical Controls



Coal Mining Safety and Health Act 1999

The definition of "critical control" is inserted and means a risk control measure for a coal mine that is critical to prevent a material unwanted event at the coal mine or mitigate the consequences of a material unwanted event at the coal mine; and the absence or failure of which would significantly increase risk despite the existence of other risk control measures. This new definition supports amendments made by this Bill to introduce critical controls as part of SHMS requirements under the Act. It is based on the definition used in the International Council on Mining and Metals' Health and Safety Critical Control Management: Good Practice Guide.

Mining and Quarrying Safety and Health Act 1999

The definition of "critical control" is inserted to mean a risk control measure for a mine that is critical to prevent material unwanted event or mitigate the consequences of a material unwanted event at the mine; and the absence or failure would significantly increase risk despite the existence of other risk control measures. This new definition supports amendments made by this Bill to introduce critical controls as part of SHMS requirements under the Act. It is based on the definition used in the International Council on Mining and Metals' Health and Safety Critical Control Management: Good Practice Guide.

Suggested Action



- Review current definition of your "Critical Control" and ensure alignment to legislation.
- If you don't have this term, consider accepting this definition.
- Ensure the definition is document within your SHMS (e.g. Risk Management Procedure, Glossary of Terms, etc)
- Self Assessment How compliant is your organisation to this requirement? (rating out of 10)

Check question



 Does this mean that potential single fatality consequence events will have Critical Controls?



Determining Critical Controls

What is your process for determining Critical Controls?

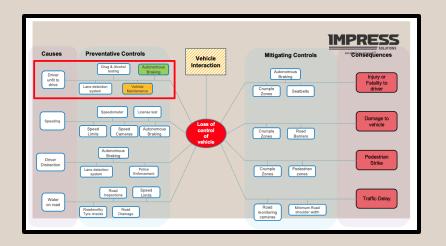


Do you have one?

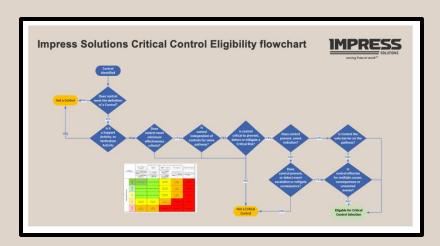
Suggested Action



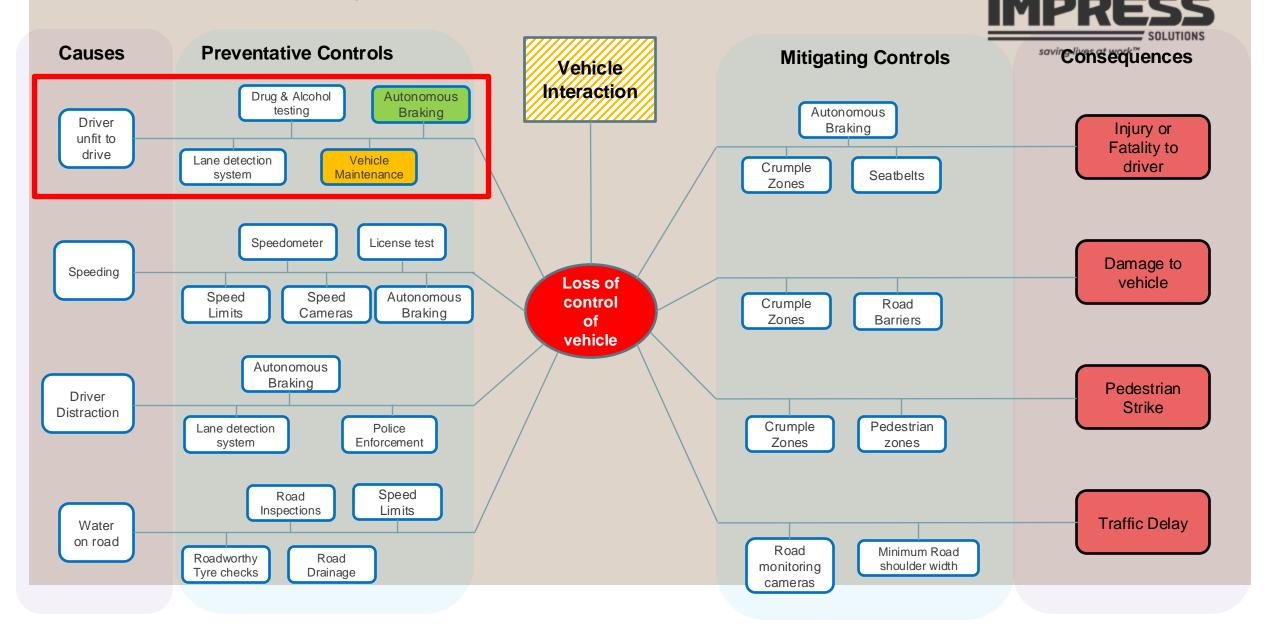
- To identify a Critical Control, you need to;
 - 1. Complete a Risk Assessment on each Material Unwanted Event (e.g. Bowtie Analysis),
 - 2. Apply criteria to determine which controls are Critical



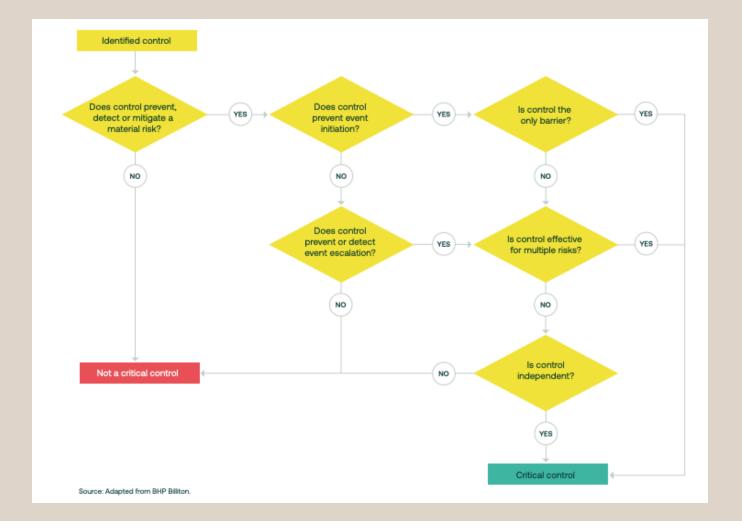




Simple Bowtie Analysis Example



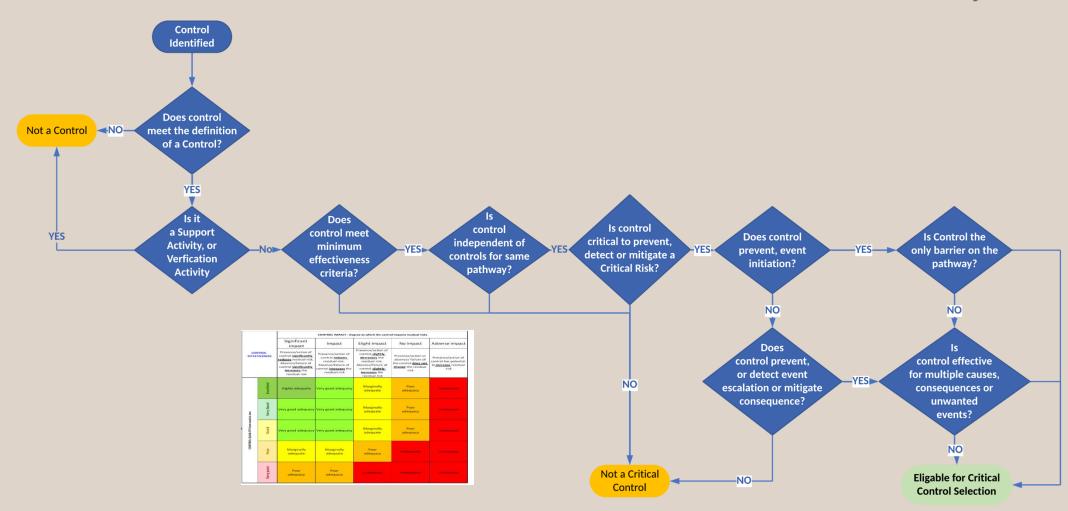
ICMM selection flowchart





Impress Solutions Critical Control Eligibility flowchart

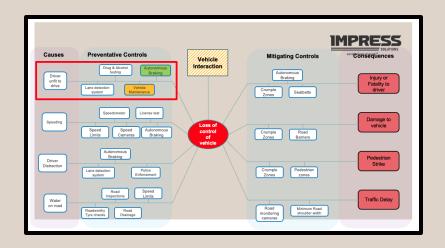




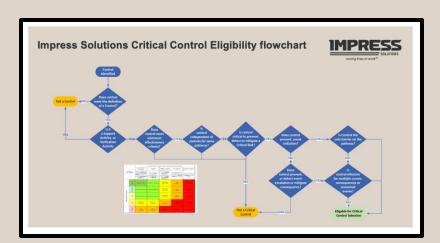
Critical Control Selection



 Self Assessment - How compliant is your organisation to this requirement? (rating out of 10)









Critical Controls and the Risk Management Framework

Requirement



Coal Mining Safety and Health Act 1999

Amendment of s 30 (How is an acceptable level of risk achieved)

Clause 6 amends section 30(2) to add critical controls to what risk management elements and practices the systems at a coal mine must incorporate to achieve an acceptable level of risk.

Mining and Quarrying Safety and Health Act 1999

Amendment of s 27 (Risk management)

Clause 153 amends section 27 to add critical controls to what risk management elements and practices the systems at a mine must incorporate to achieve an acceptable level of risk.

How would you comply with this requirement?

Suggested Action



- Update your Risk Management Procedure to at a minimum;
 - Provide definitions i.e. Critical Control, Material Unwanted Event.
 - Describe what Material Unwanted Events are, how they are identified (Broad Brush Risk Assessment), how they are managed / monitored / improved to achieve an acceptable level of Risk.
 - Describe what Critical Controls are, how they are identified (Bowtie Analysis, Critical Control Selection Process), how they are managed / monitored / improved to achieve an acceptable level of Risk.
- Review / Update other risk management processes (template, procedure, training) to support management of Material Unwanted Events and Critical Controls
 - Risk Register, JSA, Take 5, SLAM, Work Instructions, SOPs, MPs, PHMPs, Work Management Process, Contractor Management, Training Management, Change Management, Safety Interactions, Visible Felt Leadership, Planned Task Observations, Workplace Inspections, Statutory Inspections, internal / external audit process, Incident Reporting & Investigation.
- Self Assessment How compliant is your organisation to this requirement? (rating out of 10)



Critical Controls and the Safety and Health Management System

Requirement



Coal Mining Safety and Health Act 1999

Amendment of s 62 (Safety and health management system)

Subclause (2) amends section 62(5) to include identifying critical controls as a measure to ensure that an SHMS is adequate and effective to achieve an acceptable level of risk.

Mining and Quarrying Safety and Health Act 1999

Amendment of s 55 (Safety and health management system)

Subclause (2) amends section 55(5) so that the requirements for a mine's SHMS to be adequate and effective to achieve an acceptable level of risk also includes identifying critical controls. Under other subsections of section 55 this will also require implementing and monitoring critical controls as part of the SHMS.

How would you comply with this requirement?

Suggested Action (from a compliance perspective)



- Update your Risk Management Procedure to at a minimum;
 - Provide definitions i.e. Critical Control, Material Unwanted Event.
 - Describe what Material Unwanted Events are, how they are identified (Broad Brush Risk Assessment), how they are managed / monitored / improved to achieve an acceptable level of Risk.
 - Describe what Critical Controls are, how they are identified (Bowtie Analysis, Critical Control Selection Process), how they are managed / monitored / improved to achieve an acceptable level of Risk.

Suggested Actions (from an effectiveness perspective)



- There should be a one-to-one relationship between the Material Unwanted Event, the Bowtie Analysis and SHMS document which describes the risk and how it will be controlled.
 - e.g. MUE: Falling from height > Falling from height Bowtie Analysis > Working at Height Management Plan
 - Consideration should also be given to any legislated SOPs and their overlap with MUE documents.
 - E.g. MUE of Underground Fire and Legislated requirement of Action to be taken in the event of Fire
- Determine how Critical Controls will be documented within PHMPs, MPs, SOPs. At least two options;
 - Write the Critical Controls into Material Unwanted Event PHMP / HMP / SOP, or,
 - Create a Register of Material Unwanted Events and Critical Controls and provide this as a reference to the PHMP / HMP / SOP
- Self Assessment How compliant is your organisation to this requirement? (rating out of 10)



Critical Controls and Officers of Corporations

Requirement



Coal Mining Safety and Health Act 1999

Amendment of s 47A (Obligation of officers of corporations)

Clause 15 subclause (1) amends section 47A(3)(b) and (d) so that the due diligence required of officers of corporations will also include gaining an understanding of critical controls associated with the coal mining operations, and to ensure the corporation's processes for receiving and considering information regarding incidents, hazards and risks and responding in a timely way, also includes receiving and considering information regarding critical controls.

Mining and Quarrying Safety and Health Act 1999

Amendment of s 44A (Obligation of officers of corporations)

Clause 162 subclause (1) amends section 44A(3)(b) and (d) so that the due diligence required of officers of corporations will also include gaining an understanding of critical controls associated with the operator's mining operations, and to ensure the corporation's processes for receiving and considering information regarding incidents, hazards and risks and responding in a timely way, also includes receiving and considering information regarding critical controls.

Who might be an officer within your organisation?

How would you comply with this requirement?

Who is an officer?



If a corporation has an obligation under this Act, an officer of the corporation must exercise due diligence to ensure the corporation complies with the obligation. officer, of a corporation, does not include a person appointed as, or whose position reports directly or indirectly to, the site senior executive for a coal mine.

An officer of a corporation may be convicted or found guilty of an offence under this Act relating to an obligation of the officer whether or not the corporation has been convicted or found guilty of an offence under this Act relating to an obligation of the corporation.

My interpretation - Organisational roles not on the site management structure, who's level of responsibility is such they could be convicted if they did not act on Critical Control / Critical Risk Information

Who might be an officer within your organisation?

Suggested Course of Action



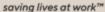
- Determine who are 'Officers of Corporations' for your organisation.
- Identify how you will monitor and report on the health of the Critical Controls.
 - E.g. Critical Control Verification Program
- Identify how you will provide this information to these Officers in a timely manner for their review and potential action.
 - Example include information on Material Unwanted Events and Critical Controls within the Monthly H&S report and ensure this is socialised with all key stakeholders (officers).

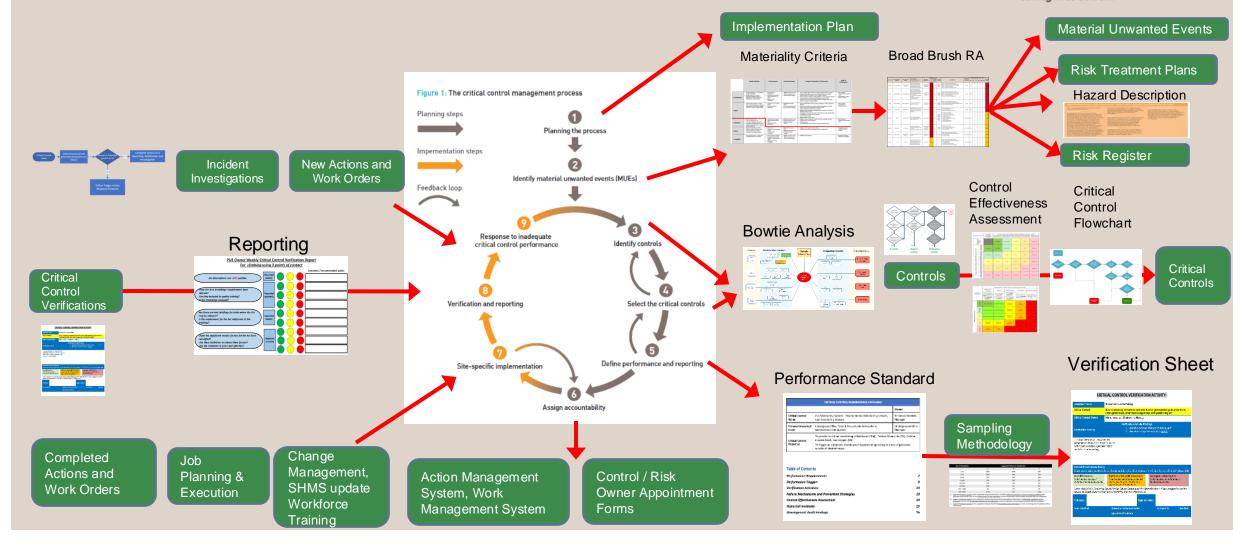


Reflection

CRM Framework







Legislation Vs CRM Framework saving lives at work™ Implementation Plan Material Unwanted Events Broad Brush RA Materiality Criteria Risk Treatment Plans Figure 1: The critical control management process Hazard Description Planning steps Planning the process Impementation steps Risk Register New Actions and Incident Investigations Work Orders Identify material unwanted events (MUEs) Control Feedback loop Critical Effectiveness Control Assessment Flowchart **Bowtie Analysis** Response to inadequate Reporting Identify controls Critical Controls Critical Controls Control Verification and reporting Select the critical controls Verifications **Verification Sheet** Define performance and reporting Site-specific implementation Performance Standard Assign accountability Sampling Methodology Completed Job Risk Mgt, Actions and Control / Risk Planning & Action Management Change Mgt, Work Orders Execution System, Work Owner Appointment SHMS update Management System Training Forms

The journey to legislative compliance saving lives at work™ Implementation Plan Material Unwanted Events Broad Brush RA Materiality Criteria Risk Treatment Plans Figure 1: The critical control management process Hazard Description Planning steps Planning the process Risk Register Impementation steps New Actions and Incident Investigations Work Orders Identify material unwanted events (MUEs) Control Feedback loop Critical Effectiveness Control Assessment Flowchart **Bowtie Analysis** Response to inadequate Reporting Identify controls Critical Critical Controls Controls Control Verification and reporting Select the critical controls Verifications Define performance and reporting Site-specific implementation Performance Standard Verification Sheet Assign accountability Sampling Methodology Completed Job Risk Mgt, Actions and Control / Risk Planning & Action Management Change Mgt, Work Orders Execution System, Work Owner Appointment SHMS update Management System Forms Training

What has been your biggest "ahhah" moment?



Company rating



Based on the content we've just been through what rating out of 10 would you
rating your organisations level of preparedness for these changes





Key Learning:

There is a considerable amount of work required

If you rush or take shortcuts you will be 'compliant' but not 'effective'

The obvious question

How do I do it?





Slow or Fast

Trial and Error Vs system

Help is here – If you don't know how big the gap is



Free Critical Risk
Management Review

It's not for everyone





Complete Critical Risk Self-Assessment (10 mins)

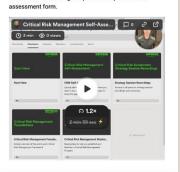


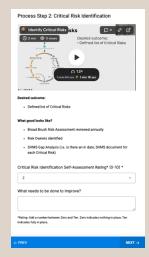
15-minute call with Christian



You have an action plan for compliance

Self-Assessment and Goal Setting
Form
Prior to our onboarding call please complete the self-







Improvement Action	Who	When
atique Management Procedure	******	witch
inguise studies 400 million femoral fistiga and journey management plan process such as: "Emergorary Journey management plan process including, Treeffend for document completion, requirement for femoral contract presco, copy of leven to ge to certain person. Control come to be informed or and monitor travel in travel for contract person. Control come to be informed or and monitor travel. Person Personal fillings are insuggement process to define temporary Prescue Failings of Extra Management Person process including Control Room Operator monitoring process. When it is therefore that act and mine severe the not completing or Personal Failings it. Travel Management Plans to Management Plans to the Control Room	t.	
extender Falique & Trever Management Plas updates. Define how for in a harvance of trever tempory management plans need to be submitted and signed off. (e.g. 48 hours). Define hours of the submitted of the su		
riboarding Process	_	_
 Revise orbicarding process to ensure that distribution and return of Personal Fatigue & Travel Management Plan is complete prior to alter and attenting induction. Determine how these returned forms will be sent back to site, reviewed and provided to the training department for Pegasus upload. 		
Opportunity – to define how many fixed travel personnel meeting 200km/ 2 hour requirement	+	_
raining Request Form pdate the Training request form to ensure that for any training travel which requires greater than 200km or 2 hours by add a completed and approved journey management form is provided to enable Training request approval.		

Benefits





You know exactly where you are and what to do in 40 minutes, not 5 years.



Don't pay \$100K to
Consultants for a review



Use our 25 years of CRM skills and experience to improve your process.



Identify low hanging fruit that can make meaningful change.

Help is here – If you want the knowledge, tools and template to implement the CRM framework



2-day Critical Risk **Management Masterclass** Brisbane 30th / 31st **January**



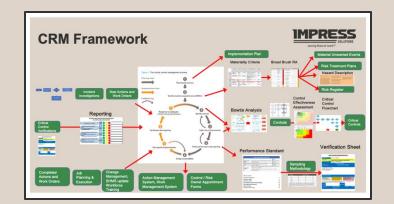




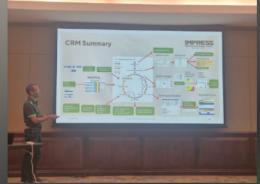














Christian made a complex subject palatable, kept the group engaged, a fun learning experience, great resources to take back to site, individual and team based activities. If you need to learn about critical risk management, this is the course to do.





I completed the two day masterclass on critical risk management with Christian, it was incredible. I have never had someone explain nor present such heavy content in a way that is both easy to absorb and take way for immediate implementation in your own workplace.



Impress Solutions have developed a comprehensive training package for businesses starting the Critical Control Management journey or even for those that have already ventured down that road. The step by step process is delivered expertly by a seasoned health and safety professional who draws on a wealth of experience, providing plenty of practical examples and know-how.



The Critical Risk Management Masterclass is worthwhile for anyone interested or invested in Critical Risk Management. The course is interesting and engaging, touching on the full lifecycle of critical risk and critical control management. Highly recommend!



* * * * 5 months ago

This is the best CRM training available in Australia and well worth the time and investment.





Highly recommend this course, very well run and a lot of knowledge and useable resources come with it



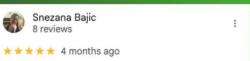
** * * a month ago

Great session on Critical Risk Management with Christian in many useful tools and was able to get a refresh on some fundamental risk management concepts ...



This was much more interactive than I expected for a Risk Management course has plenty of good technical content





Great training, critical risk management from different perspectives, very useful and practical

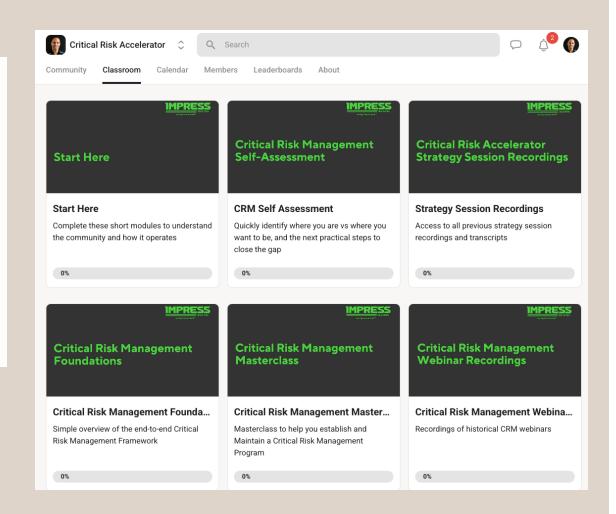
Help is here – If you want 24/7 CRM support Critical Risk Accelerator



INSIDE THE CRITICAL RISK ACCELERATOR YOU GET:

- ✓ Fortnightly calls where you bring 'your one thing' The thing that is your biggest issue to progression and come up with an action plan that you can go implement immediately.
- Access to Impress Solutions Critical Risk Library Our library of Critical Risks and Critical Controls, Templates, etc that we usually reserve for our clients that pay us 6 figures per year.
- Community sharing of documents, knowledge libraries and whatever else you need to help your progression. For example, an already completed bowtie analysis on a risk you have not yet "bowtied"... This would save you at least two days of time and effort.
- Anonymous group chat where you can ask questions and share information in a way that you can't currently do due to bureaucracy (one of my biggest peeves at the moment).
- ✓ Direct access to myself for advice so you never feel 'stuck' again when it comes to your Critical Risk program.
- Up to date notes from field implementation. We share the latest information on Critical Risk Management from our implementation projects and what we are seeing happening across industry.

Will send a link for free 1 month access to the community



Services we provide



Critical Control Management

- Done by you (we set you up for success)
 - CRM training for CRM Specialists, Risk Owners, Front Line Supervisors
 - Critical Risk Management Audits
- Done with you (You do it with our help)
 - Critical Risk Management Advisory Services
 - We draft the documents, you take them through to completion
- Done for you (we take care of it for you)
 - Critical Risk Management Consultancy / Contractor

General H&S Services

 Consultants, Labour Hire, Safety & Health Management Systems, Audits, Safety Training, Learning Teams, Leadership in Safety,



Questions?

CRM Masterclass



Free CRM Self-Assessment



Submitted



- Who should own critical controls, particularly for cross-departmental hazards such as fire and explosion, and how can organisations formally assign ownership for each control in a way that ensures clear accountability and sufficient authority
- What competencies/qualifications are required to effectively verify and inspect critical controls, and how can organisations ensure that those performing these checks maintain the necessary expertise and independence
- The decision process for defining a critical control and supporting control, Iv'e seen some good decision trees and some very confusing ones, and then once you determine what is a critical control how do we ensure we are putting the required effort into managing the control.



Resources

- Slides + Recording
- Once recording is edited, we will send through materials





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Thankyou