





Asset Scenarios and Business Units for filtering

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Health and Safety Management System

Human Resources Management System

Competency Management System

Asset Management System

Equipment Register

Work Management Systems

Natural elements

Public property

Private property

Industrial enclosures

Industrial tools

Industrial materials

High-level components

Same-level components

Underground services

Underwater services

Technical Roles

Operational Policy

People and Capability

Asset Maintenance

Operational Services

Operations Planning

Field Control

Field Leadership

Field Operations







Technical Roles

Asset Maintenance

• Asset Procurement, design and maintenance

Field Control

Systemised identification and control of assets

Field Leadership

• Supervising field teams and managing worksites

Field Operations

• Preparing worksites, working on assets

Operational Policy

• Writing policies, procedures, local instructions

Operational Services

Procurement and maintenance of tools and technology

Operations Planning

Planning and scheduling field operations work

People and Capability

• Recruitment, training and competency tracking



Process Structure

Empowering people to work safely

2.
Planning for safety ahead of time

Preparing for safety every day

3.

Establishing a safe work area Applying safety measures to assets

6.
Working and monitoring for safety

Managing change and returning to service

8. Ending the work day safely





1. Empowering people to work safely

Providing systems for managing safety

Asset Maintenance
Operation Policy
Field Control

Providing a safe working environment

Asset Maintenance
Operational Policy
Field Control

Providing instructions for working safely

Operation Policy
Operational Services
People and Capability
Field Leadership
Field Operations

☐ Providing a competent workforce

Operational Policy
People and Capability
Field Operations



2. Planning for safety ahead of time

Selecting systems and methods

Field Control
Field Leadership
Operations Planning

Assigning and scheduling workers

Field Leadership
Operations Planning
People and

Preparing work management processes

Field Control
Field Leadership
Operations Planning

tools and equipment for safety

Field Control
Field Leadership
Operations Planning

Preparing worksite control plans

Field Control
Field Leadership
Operations Planning

Checking plans and communicat ions

Operations



3. Preparing for safety everyday

Reporting for wok and briefing workers

Field Leadership
Field Operations

Selecting suitable tools equipment and PPE

Operational Services
Field Leadership
Field Operations

nspecting gear and preparing for work

Operational Services
Field Leadership
Field Operations

☐ Operating vehicles for work

Operational Services
Field Leadership
Field Operations



4. Establishing a safe working area

☐ Establishing a worksite safety plan

Field Leadership
Field Operations

Allocating roles and responsibilities

Field Leadership
Field Operations

Defining and protecting the work area

Operational Services
Field Services
Field Operations

せ Establishingsafe workingpositions

Operational Services
Field Leadership
Field Operations



5. Applying safety measures to assets

Isolating and securing significant hazards

Field Control

Field Leadership

Field Operations

C Earthing and purging to ensure protection

Field Control

Field Leadership

Field Operations

Issuing control of assets to recipient

Field Control

Field Leadership

Field Operations

▼ Communicating

and ensuring safety before work

Field Leadership

Field Operations



6. Working and monitoring for safety

Monitoring actions and safety levels

Field Operations

Using

equipment and materials near assets

Field Leadership
Field Operations

m Using

procedures for work on assets

Field Leadership
Field Operations

Responding to unplanned events

Field Leadership
Field Operations



7. Managing change and returning to service

Testing assets during and after work

Field Leadership
Field Operations

Returning

assets to service

Field Leadership
Field Operations

control and managing change

Field Control

Field Leadership

Field Operations

 ▼. Removing

isolation safety measures

Field Control

Field Leadership

Field Operations

8. Ending the working day safely

Packing up and securing the work area

Field Leadership
Field Operations

○ Disposal of hazardous waste and rubbish

Operational Services
Filed Leadership
Field Operations

Checking and storing tools and equipment after use

Operational Services
Field Leadership
Field Operations

✓ Providing work✓ records andreporting

Asset Maintenance
Operations Planning
Field Leadership



Process Structure

Empowering people to work safely

2.
Planning for safety ahead of time

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Establishing a safe work area

Applying safety measures to assets

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Working and monitoring for safety

Managing change and returning to service

8. Ending the work day safely





RESPECT

Readiness for work **E**nvironment **S**ecurity Position hazards **E**nergy hazards **C**hemical hazards Tools and technology



R- Managing Readiness for work

RM

 Working with management systems



RE

Working with suitable equipment



RC

 Working with technical competency



RT

 Working with team member support



RF

 Managing personal fitness for work



E- Responding to the Environment

EC

 Managing exposure to climate extremes



EN

 Managing exposure to worksite noise



ΕΤ

Working safely in difficult terrain



 Working safely with trees and vegetation



S - Managing worksite Security

SE

 Controlling entry to the worksite



SH

 Managing physical hazards at the worksite



SP

 Working near third- party property



ST

 Managing traffic near the work site



P – Responding to Positional hazards

PC

 Managing the risks of confined space work



PH

Managing the risks of working at height



PU

 Working safely in excavations and trenches



PW

 Working safely under or over water





E – Responding to Energy hazards

EE

 Working safely around electrical hazards



EG

 Working safely around gravitational hazards



EM

 Working safely around mechanised equipment



EP

 Working safely with pressurised equipment



C – Responding to Chemical hazards

CH

 Handling hazardous substances safely



CG

 Working near hazardous gases



CL

 Working near hazardous liquids



CS

 Working with and near hazardous solids



T – Using Tools and Technology

TH

 Using hand held tools and appliance



TL

 Using mobile plant and load bearing tools



TD

Working with digital devices



TΤ

Operating vehicles for transport



TE

Operating earth moving vehicles



TA

Working with helicopters



RESPECT

Readiness for work **E**nvironment **S**ecurity Position hazards **E**nergy hazards **C**hemical hazards Tools and technology





Rules inside new structure, with new coding

Top Level Process Heading Introductory information	2. Planning for safety ahead of time Many hazards are directly related to the nature of the work and can thus be predicted and managed in the day(s) before the job is carried out. Understanding the nature of the work, selecting the best methods and resources, and sharing information, are all important aspects of planning. Simple jobs may be planned quite quickly in the day before the job. More complex jobs that require permits or consents, and greater resource, will take longer than a day to plan.				
Lower Level Process Heading	2.1 - Selecting systems and methods Identify job hazards, select control systems and methods Relevant Roles for searching or filter The rules in this section apply to: Operations Planning, Field Control, Field Leadership				
Higher Level Subject Heading	RM - Working with management systems RM 2.101 All work shall be planned to eliminate or otherwise to minimise the risk of harm to workers in the work party, to other workers and to the public and public property.				
Reviewed Rules, written as stand alone sentences	RM 2.103 RM 2.104 RM 2.105	Work planning shall include the selection of control measures for known and potential hazards. Controls to be selected include work methods and resources such as personnel, plant, tools and materials. Hazard identification, and determining how these are to be managed, shall be carried out at regular intervals including at the work planning stages (for example, to identify known hazards and those likely to arise from nearby equipment). Work planning shall include the selection of backup control measures (e.g. earthing), that need to be in place should the primary control measures selected prove not to be effective.			



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- 8 Ending the working day safely



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Empowering people to work safely

Persons Controlling a Business or Undertaking have duties to provide and maintain safe plant and structures, and safe systems of work. PCBUs are expected to collaborate, cooperate and coordinate with other PCBUs so that responsibility is assigned according to the level of control each PCBU has in determining safe outcomes. Having suitable systems, facilities, instruction and capability all pave the way for a culture of safety from the start of the PCBU chain, through to the individual employee or worker, on an ongoing basis.

1.1 Providing systems for managing safety

Safety risks can only be managed where systems are set up to support this. All PCBUs have responsibilities to ensure that systems are available to support the health and safety of workers under their control. These systems are designed to provide the infrastructure around which safety can be managed throughout work activities. The rules in this sub-section describe the foundation requirements of PCBUs for managing hazards, emergencies, and operational activities in the context of the electricity supply industry.

Rules in this section apply to: Asset Maintenance, Operational Policy, Field Control,

RM. Safety management



RM 1.101 1.108 Persons Controlling a Business or Undertaking shall develop and maintain a Health and Safety Management System to manage the health and safety of workers under their control.

RM 1.101 1.110 The Health and Safety Management System shall include mechanisms for workers to participate in the identification of hazards, and the elimination and/or minimisation of risks to health and safety.



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8 - Ending the wor						
			RM 4.103 1.410			
			R M 4.104 1.304			
			RM 4.104			

The driver of a vehicle shall plan ahead for any long trips to exat adequate rest stops are taken.

Establishing a safe working area

1.300

Worksites require preparation to become safe, and for workers to feel safe at that worksite. The level of care taken, and the degree of worker involvement in the process, has a direct impact on safety. In practice, this process is where a pre-work risk assessment is carried out, control measures are agreed, and the safety plan is finally implemented at the worksite. The process ends when workers are in position for work armed with the knowledge that all precautions have been taken to ensure worksite safety, and the part they are to play is well understood. The rules section describe requirements for controls to be applied at the worksite to the satisfaction n, industry standards, supplier instruction, local policy, and all work party member

Establishing the worksite safety plan

The purpose of a worksite safety plan is to record all hazards identified in the planning stages, and at the on-site hazard and risk assessment, and agree how they will be managed at the worksite. This includes the setting of safety tolerances and how work party members will communicate with each other in maintaining those throughout the course of work. It is also the ideal opportunity to determine emergency response procedures and check the integrity of any fixed assets to be worked upon. The worksite safety plan is discussed and completed with all workers present at each worksite. Thus, it provides an opportunity for workers to become fully aware of all hazards and how they are managed at the worksite, and raise any concerns immediately before work begins. The rules ction describe requirements for the creation and maintenance of a worksite safe

Rules in this section apply to: Field Leadership, Field Operations,

RM. Safety management

Where work is to be undertaken near live equipment, the supervisor shall ensure that workers have been made aware of the control measures to be adopted.

All work party members shall participate in hazard identitication and risk assessment to ensure that they are aware of the hazards they may encounter, or create, and the means of controlling them.

Hazard and risk identification, and determining how these are to be managed, shall be carried out at regular intervals including upon arrival at the worksite (for example, to identify risks that may arise from other activities not under the control of the work party leader, such as over or under crossing lines, or de-commissioned points of connection).

PHY

3.311 (2.1407)

Resources

adder inspection shall be guided by:

· Guide to Portable Equipment for Work On or Near Conductors - Technical Guide (2018) [EEA]

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P - Managing position hazards C - Managing chemical hazards T - Managing technical hazards



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About this publication		Rules in this section apply to: Industrial plant, industrial tools, industrial materials,	Resources Find Filter		
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Principles		What is worksite security? Why is it important to protect the worksite?	1.1 Provide systems		
Resources View rules by process View rules by subject View rules by edition	SP	Controlling entry to the worksite Why is it important to implement controls to restrict access? What asset types and scenarios require some form of access control? Which ones don't?	RM 1.102 (1.108) Safety systems should be guided by: • Health and Safety Guide: Good Governance for Directors (2016) [WorkSafe] • AS/NZS 4804:2001 (Reconfirmed 2020) Occupationa Health and Safety Management System - General		
R - Managing work readiness	^	Rules in this section apply to: Private property, public property, work management systems,	Guidelines on principles, systems and supporting techniques • AS/NZS ISO 45001:2018 Occupational Health and		
E - Managing environment hazards	SH	Managing physical hazards at the worksite			
S - Managing worksite security SP - Controlling entry to the worksite		What kind of hazards are created by the work itself? How can access to a hazardous space or use of equipment add danger? What kind of work creates extra risk for others in the vicinity of the work?	Safety Management Systems - Requirements with guidance for use. • NZS 7901: Electricity and gas industries - Safety		
SH - Managing physical hazards at the worksite SU - Working near third-party property ST - Managing traffic near the worksite	SU	Rules in this section apply to: <i>Private property, public property, Industrial plant, industrial tools, industrial materials, overhead assets, underground assets, ground level assets,</i> Working near third-party property	management systems for public safety RM 1.104 (1.110) Risk evaluation and management should be guided by: • Identifying, Assessing and Managing Work Risks (2017) [WorkSafe] RM 1.107 (1.108) Persons Controlling a Business or Undertaking shall meet the requirements of: • The Health and Safety at Work Act (2015) - Part 2 Health and Safety Duties • Health and Safety at Work (General Risk and		
P - Managing position hazards C - Managing chemical hazards T - Managing technical hazards		How can nearby services introduce extra hazard to the worksite? What kind of work is likely to encroach on the assets owned by other parties?			
		Rules in this section apply to: Private property, public property, underground assets, ground level assets,			
	ST	Managing traffic near the worksite			
		What kinds of hazards need to be managed here? How are the controls different to those used to control access? Which asset types and scenarios require greater levels of protection, and why?	 Workplace Management) Regulations (2016) Health and Safety at Work (Worker Engagement, Participation, and Representation) Regulations 2016 		
		Rules in this section apply to: Natural elements, public property, work management systems, competency management systems,	RM 2.310 (3.502) Issuing and recording of assurances shall follow: • [TBA]		
	Р	Managing position hazards How does the design of an electricity supply system create the need for workers to work at unnatural	RM 2.311 (3.502) Requesting and issuing of assurances shall be guided by:		



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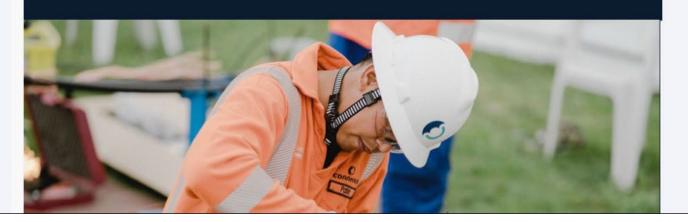
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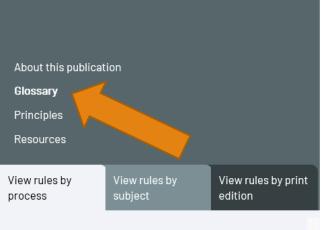
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ACCESS PERMIT

The electricity supply industry's recognised work management system for managing hazards that have a source external to the equipment to be worked on and that are not under control of the work party intending to work on that equipment.

ASSET OWNER

To be drafted?

ASSURANCE

A written declaration issued by the worker in operational control of equipment, that is not under the control of the issuer but safety measures are required to be applied, to an issuer of an access or test permit confirming the state of the equipment and that it will remain in that state until the assurance is returned and cancelled. The terms sender and receiver apply to assurances.

COMPETENT

An employee is competent when they can demonstrate to their employer, at any time, that they have the necessary knowledge, skills and experience to carry out the work safely and to the standards used by the employer.

CONDUCTOR

Material used for the conveyence of electricity. Examples include overhead lines, underground cables, busbars and electrical connections.

CONFINED SPACE

An enclosed or partially enclosed space which is not intended or designed primarily for human occupancy. Examples include storage tanks, tank cars, shafts, ducts, and shipboard spaces. Confined spaces may present a risk from one or more of the following at any time:

- · unsafe concentration of harmful airborne contaminants
- · unsafe concentration of flammable substances
- · unsafe levels of oxygen



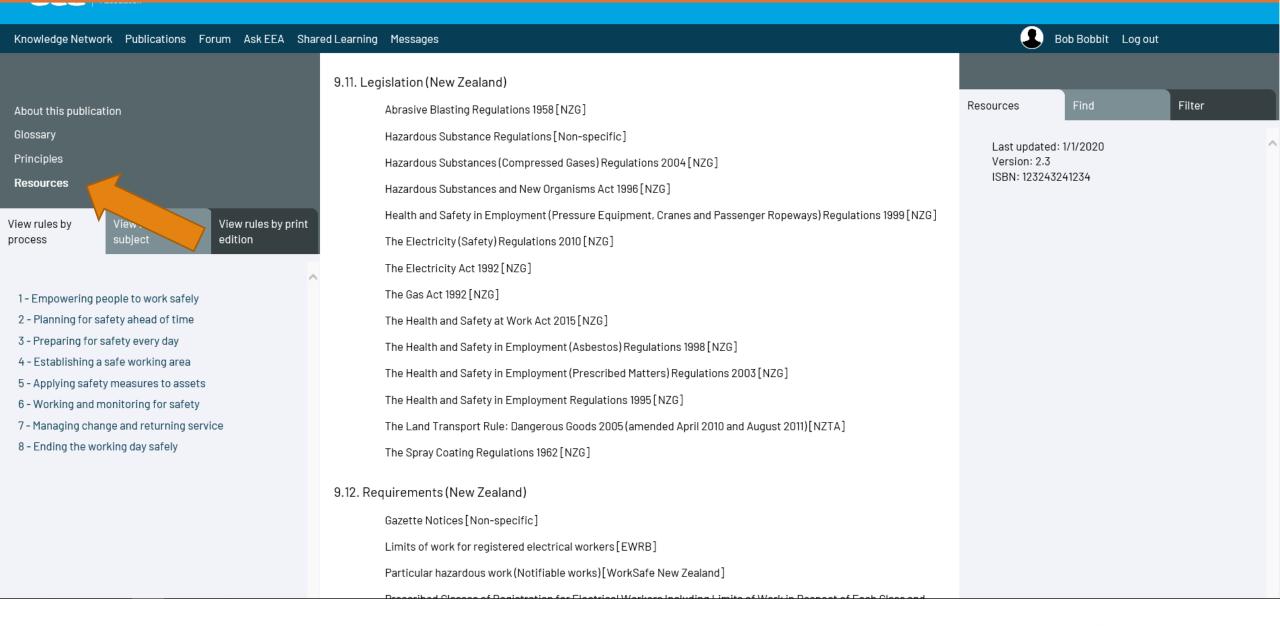
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8 - Ending the working day safely

TR 3.427 2.901 4 4.1 The driver of a vehicle shall plan ahead for any long trips to ensure that adequate rest stops are taken.

Establishing a safe working area

Worksites require preparation to become safe, and for workers to feel safe at that worksite. The level of care taken, and the degree of worker involvement in the process, has a direct impact on safety. In practice, this process is where a pre-work risk assessment is carried out, control measures are agreed, and the safety plan is finally implemented at the worksite. The process ends when workers are in position for work armed with the knowledge that all precautions have been taken to ensure worksite safety, and the part they are to play is well understood. The rules in this section describe requirements for controls to be applied at the worksite to the satisfaction of legislation, industry standards, supplied instruction, local policy, and all work party members.

Establishing the worksite safety plan

The purpose of a worksite safety plan is to record all hazards identified in the planning stages, and at the on-site hazard and risk assessment, and agree how they will be managed at the worksite. This includes the setting of safety tolerances and how work party members will communicate with each other in maintaining those throughout the course of work. It is also the ideal opportunity to determine emergency response procedures and check the integrity of any fixed assets to be worked upon. The worksite safety plan is discussed and completed with all workers present at each worksite. Thus, it provides an opportunity for workers to become fully aware of all hazards and how they are to be managed at the worksite, and raise any concerns immediately before work begins. The rules in this sub-section describe requirements for the creation and maintenance of a worksite safety plan.

Rules in this section apply to: Field Leadership, Field Operations,

RM. Safety management

Where work is to be undertaken near live equipment, the supervisor shall ensure that workers have been made aware of the control measures to be adopted.

All work party members shall participate in hazard identitication and risk assessment to ensure that they are aware of the hazards they may encounter, or create, and the means of controlling them.

Hazard and risk identification, and determining how these are to be managed, shall be carried out at regular intervals including upon arrival at the worksite (for example, to identify risks that may arise from other activities not under the control of the work party leader, such as over or under crossing lines, or de-commissioned points of connection).

PH Work at height

PH 3.311 (2.1407)

Resources

Ladder inspection shall be guided by:

· Guide to Portable Equipment for Work On or Near Conductors - Technical Guide (2018) [EEA]

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RM 4.103

1.410

RM 4.104 1.304

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Electricity Engineers' Association

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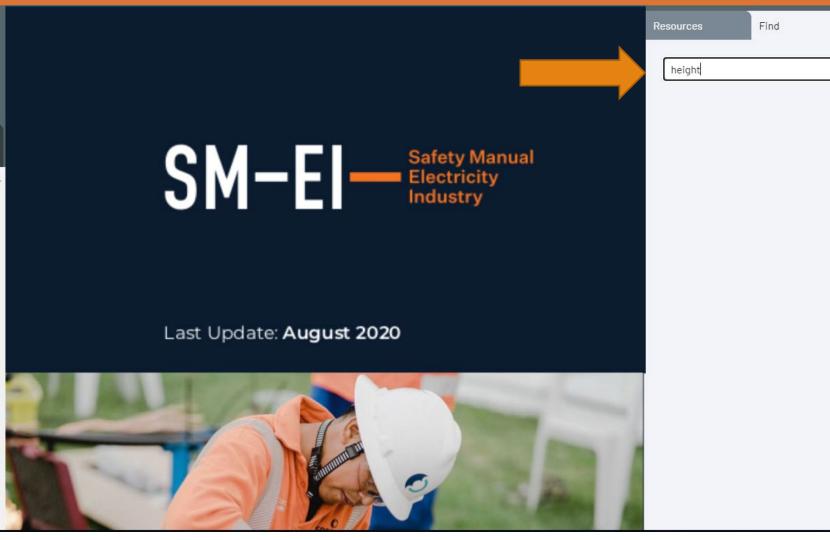


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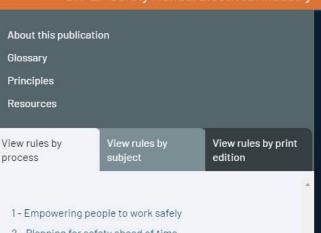


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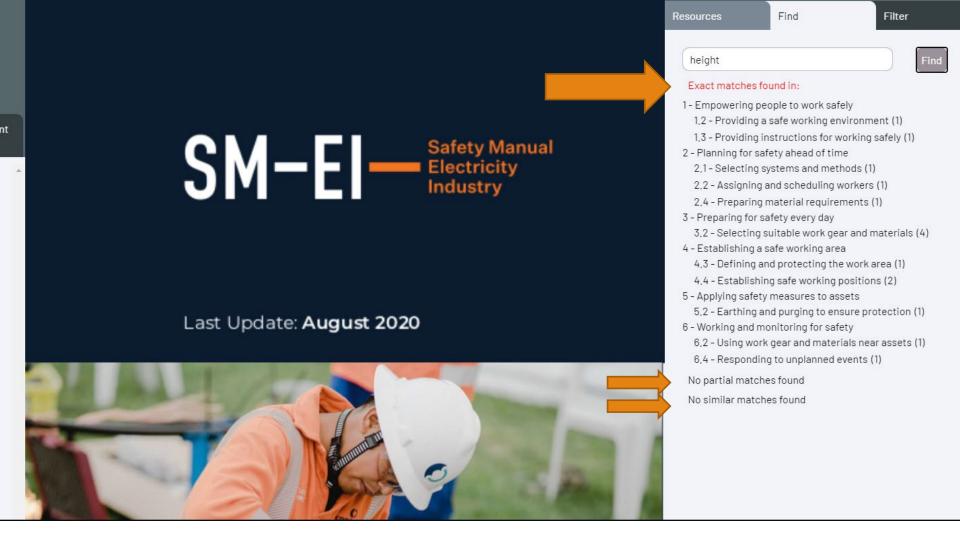


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Applying safety measures to assets

5

8

Equipment that forms any part of an electricity supply system is naturally designed for the purposes of generating, transmitting or distributing electricity, or for storing or otherwise conveying hazardous materials involved in delivering these services. Such equipment is therefore inherently dangerous to people and other assets in close proximity. Specific safety measures are applied to provide a safe environment at working position(s) following a documented sequence prepared during the planning stages. The process ends when safety in proximity to electricity assets is proven. The rules in this section describe requirements for safety measures to be applied to assets immediately before work begins.

Working and monitoring for safety

Providing for the safety of people and assets is something that happens before the actual work. This is because all actions have an element of danger, and it is inherently easier to plan ahead than it is to change course whilst working, particularly where hazards can be identified in advance. That said, maintaining an awareness of danger is critical to maintaining a safe worksite, safe position, and safe assets. Workers have a duty to be aware of their own actions, and to support members of the work party when providing a monitoring or supervisory role. The rules in this section describe requirements for work to be monitored and procedures to be followed, with adjustments made to match any change in local conditions.

Managing change and returning service

The reinstatement process begins immediately after electricity assets have been installed, replaced, inspected or somehow worked around. This process involves the progressive removal of safety measures and checks to return the electricity service safely. The order in which safety measures are removed will be carried out according to a documented sequence prepared in the planning stages. Sometimes changes to work management systems are required in order to test the integrity of assets before service is restored. The rules in this section describe requirements for the restoration of electricity supply equipment to the state required for service, or for the next phase of work,

Ending the working day safely

Hazards can be naturally occuring (e.g., bad weather), inherent with the work (e.g., voltage difference), created from the work (e.g., air pollution), or from use (e.g., equipment wear and tear). The inherent hazards, and those created from work will continue to present risk until they are eliminated or minimised. The rules in this section describe requirements for securing the worksite between shifts (or after work has finished), checking the safety of facilities after use, and to record improvement opportunities for the benefit of future work parties.

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