

Module 3:

Risk management approach



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Module objectives

At the end of **Module 3: Risk management approach**, you will be able to:

Define the term risk management

Explain the steps in the risk management process

Explain our risk management approach to dangerous goods and hazardous substances



What is risk management?

What is risk management?



Process used to identify and assess potential risks **before** they occur so that risk **treatment** measures (or controls) can be implemented



Eliminate the risk entirely

OR

Reduce the **likelihood** that the risk will occur

OR

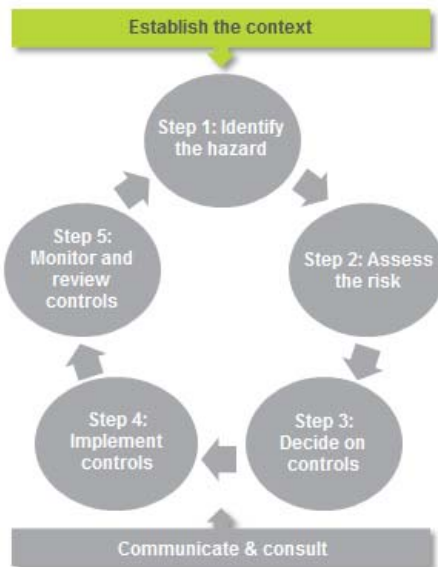
Reduce the potential **consequences**



What are the steps in the risk management process?



Establish the context



Defines the **basic parameters** for risk management

Sets the **scope** for the rest of the risk management process

Established at the **beginning** of general risk management processes

Applied throughout the organisation

Step 1: Identify the hazard



Take place at:



Initialisation

Identifies the individual risks to be managed in the workplace

What can happen, when, where, how, why and to whom?

Generate a comprehensive list of risks which will be added to the Risk Register

Ongoing maintenance

Works in conjunction with the Monitor and Review stage to identify whether:

- ? Implemented control measures result in new risks
- ? Reported hazards, near-misses or incidents highlight new risks
- ? New activities, processes, equipment result in new risks



Step 2: Assess risks



Analysing



Combining their potential **consequences** and the **likelihood** they will occur to allocate their risk level



Evaluating



Decide which of the risks need **risk treatment** measures (controls) and their **priority**

For example, if a worker handles sulphuric acid without the correct personal protective equipment:

Likelihood	Consequences				
	Insignificant	Minor	Moderate	Major	Severe
Almost certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High

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Step 3: Decide on controls

Involves **identifying**, **assessing** and **selecting** the risk controls

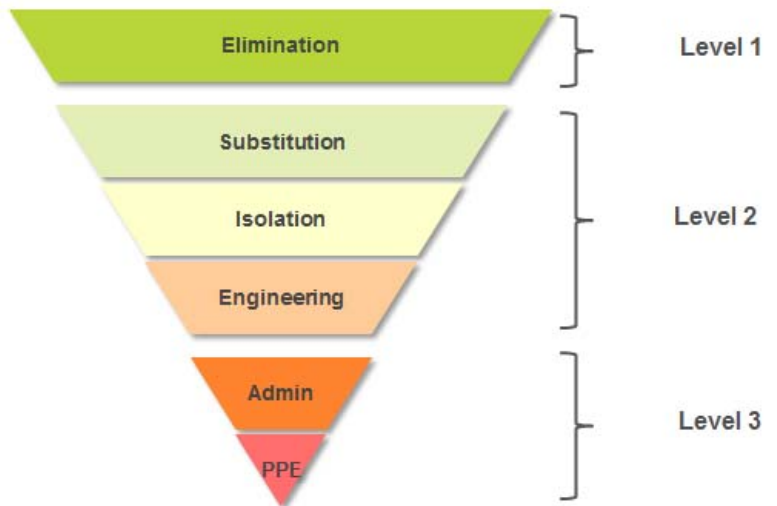


Highest protection and reliability



Lowest protection and reliability

Hierarchy of Controls



step 4: Implement controls



Documenting and implementing the risk controls

Important to:

- Consult with relevant personnel and trial the control measure
- Explain the reason for the change
- Develop work instructions or procedures
- Update any existing documents
- Provide training and supervision for personnel

Step 5: Monitor and review



Involves the ongoing monitoring and review of the risks and their controls

Take place on a:



Day-to-day

Part of daily operations

Ad-hoc

After an incident has been reported

Scheduled

Part of annual audit processes

Checks that the controls:

- ? Have been implemented
- ? Continue to be effective
- ? Do not result in new risks

If non-conformances or new risks are identified, then the risk management process is **repeated**



Communicate and consult

A PCBU has a **duty to consult** with workers on the decisions and issues that directly impact their health and safety and to **communicate information** to protect workers



One-way process

Sharing or displaying information



Two-way process

- Sharing information
- Asking for their input
- Taking their input into account
- Advising them on the outcomes and decisions

What does this mean to you?

What does this mean to you as a worker?



How does the PCBU use risk management to reduce the risks of dangerous goods and hazardous substances?



What does this mean to you as a worker?

Click on each stage below to find out more.



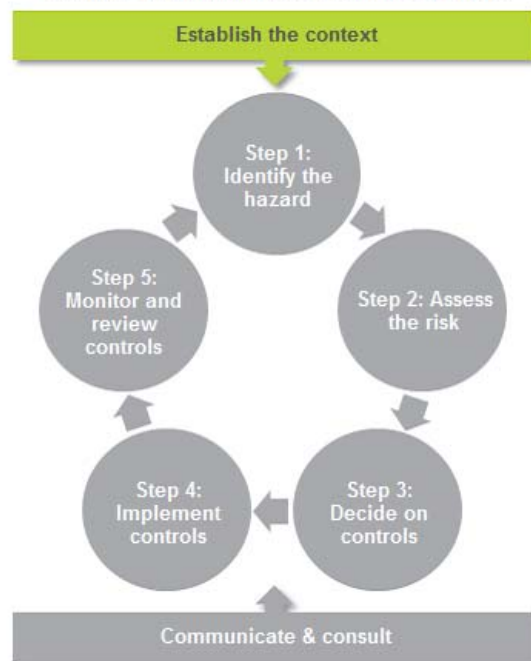
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What does this mean to you as a worker?

Click on each stage below to find out more.

Performed by senior management and health and safety personnel and will set the parameters for risk management across the entire organisation.



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What does this mean to you as a worker?

Click on each stage below to find out more.

Initialisation:

health and safety personnel and/or senior management should consult with workers and specialists to identify all dangerous goods and hazardous substances that are used, handled, stored or generated

Documented in a series of registers and manifests



Check with your supervisor for policies and procedures specific to your workplace.



Ongoing maintenance:

Regular audits are performed to identify any changes to the types, quantities, locations and interactions

'Approval Form' may be required depending on your workplace procedures, before any new chemical can be brought into the workplace.




What does this mean to you as a worker?

Click on each stage below to find out more.



Health and safety personnel should perform Risk Assessments with input from specialists and the workers who interact with the dangerous good or hazardous substance.

 If your job involves working with these substances you may take part in a Risk Assessment.

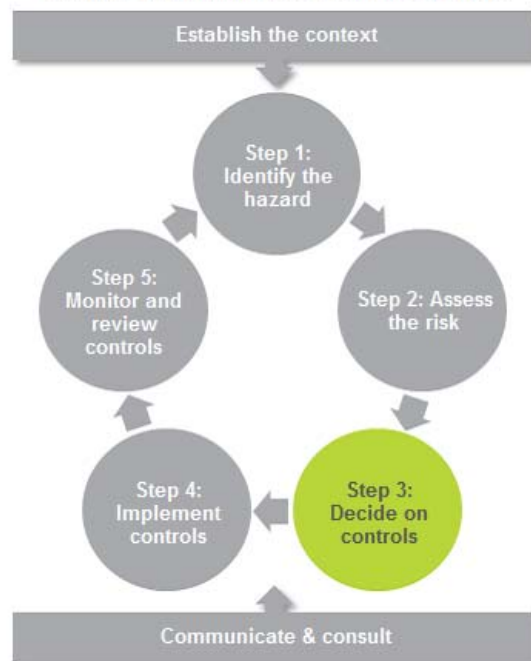
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What does this mean to you as a worker?

Click on each stage below to find out more.



There are a range of control measures that can be used to manage the risks from dangerous goods and hazardous substances.

 We will go through the common control measures in more detail in the next module.

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What does this mean to you as a worker?

Click on each stage below to find out more.



Everyone who is impacted by the risk and the control measures must be consulted and have full knowledge of the implemented controls.

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What does this mean to you as a worker?

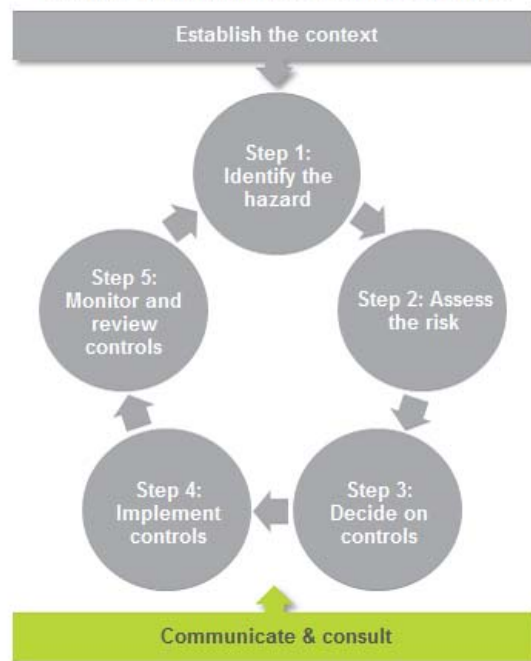
Click on each stage below to find out more.



Health and safety personnel and external specialists must monitor and review the risks and control measures for dangerous goods and hazardous substances on a day-to-day, ad-hoc and scheduled basis.

What does this mean to you as a worker?

Click on each stage below to find out more.



Health and safety personnel should consult with workers throughout the risk management process.



Make sure you participate actively when asked to take part in these processes.

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Module Summary



Congratulations! You have completed Module 3.

You should now be able to:

-  Define the term risk management
-  Explain the steps in the risk management process
-  Explain our risk management approach to dangerous goods and hazardous substances

You can now return to the home page and move on to the next module which will look at **common risk controls**.



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