

AS/NZS ISO 14001 Training Presentation



INTRODUCTION TO ISO 14001

There is now an ever-increasing focus on global environmental concerns and any good business is very aware of the importance of good environmental management practices and compliance.

The 'AS/NZS ISO 14001 Environmental Management Systems' Standard provides businesses with a framework to protect the environment, reduce pollution, waste and limit their impact on the environment. It specifies requirements that enable a business to achieve the intended outcomes that it sets for its environmental management system.

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PRESENTATION OVERVIEW

- WHAT IS THE ISO 14001 STANDARD?
- WHAT IS AN ENVIRONMENTAL MANAGEMENT SYSTEM?
- THE ISO 14001 PLAN, DO, CHECK, ACT APPROACH
- CONTEXT OF THE ORGANIZATION
- LEADERSHIP
- PLANNING
- SUPPORT
- OPERATION
- PERFORMANCE EVALUATION
- IMPROVEMENT
- KEYS TO ISO SUCCESS
- BENEFITS
- ISO 14001 CHALLENGES
- YOUR ROLE WITH ISO 14001
- IN CONCLUSION
- QUESTIONS

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This presentation will help you to better understand the core AS/NZS ISO 14001 processes, so that we — 'THE TEAM' — can achieve our intended environmental outcomes.

WHAT IS THE AS/NZS ISO 14001 STANDARD

- AS/NZS ISO 14001 is the Australian Standard for Environmental Management Systems.
- ISO 14001 is recognized and implemented worldwide.
- AS/NZS ISO 14001 specifies the requirements for an Environmental Management System that a business can use to enhance its environmental performance.
- The intent of AS/NZS ISO 14001 is to enable a business to identify and control the environmental impacts of its activities, products and services.

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WHAT IS AN EMS?

- An Environmental Management System (EMS) specifies the framework in which a business manages environmental aspects and impacts.
- An Environmental Management System is a set of processes that enable a business to increase its environmental efficiency.
- An Environmental Management System is a coordinated and systematic approach to managing environmental risks and opportunities.
- An Environmental Management System characterizes a set of policies, procedures, processes, plans and practices for managing risks and enables a business to meet all environmental legal obligations.

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THE PLAN, DO, CHECK, ACT, APPROACH

The Plan, Do, Check, Act approach is the AS/NZS ISO 14001 methodology that is used to ensure that all actions are planned and checked before the action takes place, as outlined below:

PLAN	Establish the environmental objectives and processes needed to deliver the results in accordance with the organization's environmental policy.
DO	Implement the processes required to achieve the intended results, as planned.
CHECK	Monitor and measure the processes against the environmental policy, commitments, environmental objectives and operating criteria and report on the results.
ACT	Take actions to continually improve environmental performance to achieve the intended outcomes.



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CONTEXT OF THE ORGANIZATION

For AS/NZS ISO 14001, we need to determine the external and internal issues that are relevant and affect our ability to achieve the intended outcomes of our AS/NZS ISO 14001 Environmental Management System. This may include further defining and managing the environmental risks and opportunities of the below (internal and external aspects).

Internal



- Roles, responsibilities and authorities
- Workers
- Working conditions
- Market share
- Physical resources
- Performance
- Values and culture
- Innovation and knowledge
- Wastes and energy use

External

- Customers and competition
- Regulatory and statutory
- Technological
- Cultural and social
- General public
- Suppliers
- Political influence
- Contractors

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TYPES OF ASPECTS AND IMPACTS

An assessment system should be used to identify the significance of each type of environmental aspect and its subsequent impact.

General Types of Environmental Aspects and Impacts



LEADERSHIP

Leadership and worker participation are critical for the success of an AS/NZS ISO 14001 Environmental Management System and the successful achievement of environmental outcomes.

Good leadership and worker involvement are essential in establishing the processes that are central to achieving our environmental policy goals, targets and objectives.

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PLANNING

Planning for AS/NZS ISO 14001 is an ongoing process, and this planning needs to anticipate changing circumstances when determining our environmental risks and opportunities.

Actions to Address Environmental Risks and Opportunities



SUPPORT

An AS/NZS ISO 14001 Environmental Management System needs to have the required support and resources needed to achieve the desired outcomes. Support and resources allocation should be assessed during reviews and corrective actions.

- People
- Infrastructure
- Work environment.
- Information
- Suppliers and partners.
- Natural and financial resources.



OPERATIONS

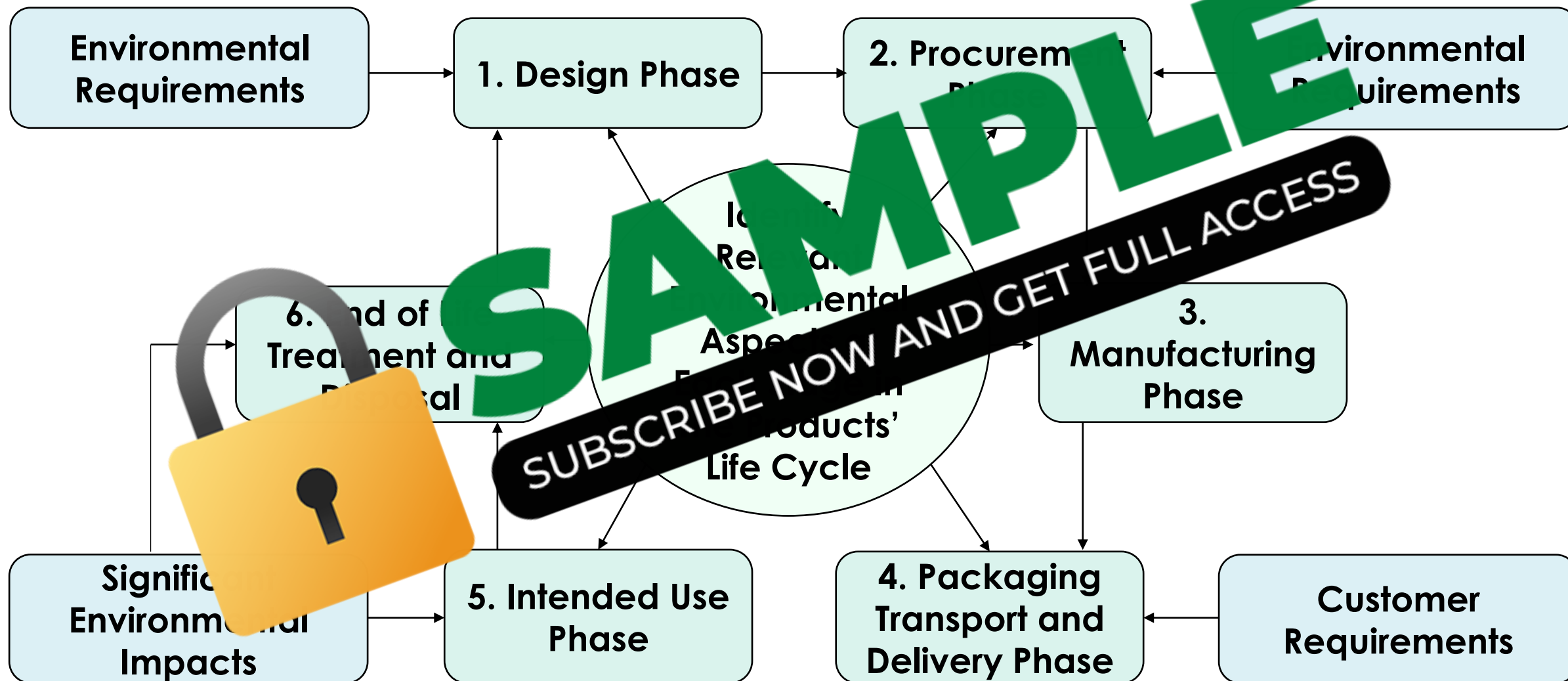
Operational planning and the control of processes is needed to implement and benefit from AS/NZS ISO 14001. Key aspects to deliver these environmental benefits may include:

- Environmental design.
- Environmental procurement planning.
- Manufacturing planning.
- Packaging, transport and delivery operations.
- Intended to consider the environment.
- End of life and disposal.
- Establishing preventive and/or predictive maintenance and inspection programs.
- The application of legal requirements and compliance obligations, etc.

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PERFORMANCE EVALUATION

The frequency and methods by which processes are monitored, measured and evaluated may be determined and performed by:

- Statutory and regulatory requirements
- Customer feedback and specific customer requirements
- Process and environmental management system requirements.
- Process performance and audit results
- Level of risk and types of measurement.
- Trending information for corrective actions.
- Critical product conformity.

This also forms part of the continual improvement process.

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Audit Checklist

- Audit Satisfactory
- Observation Made
- Non-Conformance



IMPROVEMENTS

AS/NZS ISO 14001 improvements can be gained by reviewing the results of environmental performance and this may include:

- Environmental risk and opportunity evaluation.
- Assessment of the changing legal and regulatory requirements of interested parties.
- The effectiveness of the Environmental Management System.
- Reducing environmental impacts.
- Increased efficiency and opportunities.
- The level of savings.
- Internal and external audit results.

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KEY ELEMENTS TO SUCCESS

There are some key elements that need to be considered to ensure the successful development and implementation of an AS/NZS ISO 14001 Environmental Management System, inclusive of:

- Determining resource gaps.
- Ensuring the support and commitment of management and the employees.
- Maintaining a focus on the fundamental elements of the standard, such as the environmental policy and legal requirements.
- Ensuring communication of what is being done, why it's being done and how it's being done.
- Regular evaluation and feedback on progress.
- Progressing gradually and efficiently through the AS/NZS ISO 14001 Standard.

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THE BENEFITS OF AS/NZS ISO 14001

Some of the main benefits of having an AS/NZS ISO 14001 Environmental Management System include:

- Improved environmental performance and compliance.
- Pollution prevention and resource conservation.
- Increased efficiency and reduced costs.
- Enhanced employee morale.
- Employee awareness of environmental issues and responsibilities.
- Enhanced understanding of environmental risks and opportunities.
- An improved company image and reputation.
- Improved cost control and financial benefits.
- Additional business expansion possibilities.

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AS/NZS ISO 14001 CHALLENGES

There can also be challenges with the development and implementation of AS/NZS ISO 14001 Environmental Management System inclusive of:

- Obtaining the awareness of AS/NZS ISO 14001 within the entire organization.
- Having the resources and a dedicated team needed for AS/NZS ISO 14001.
- Interpreting and understanding the requirements of AS/NZS ISO 14001.
- Determining what needs to be documented.
- Promoting continual improvement of the AS/NZS ISO 14001 Environmental Management System.

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YOUR ROLE AS/NZS ISO 14001

There are several things that you can do to make the AS/NZS ISO 14001 Environmental Management System work:

- Know and understand the environmental context and AS/NZS ISO 14001 environmental objectives.
- Understand how you can contribute to the development and implementation of AS/NZS ISO 14001.
- Know the environmental risks and opportunities that are relevant to your work.
- Contribute to the AS/NZS ISO 14001 journey where you can.
- Communicate environmental risks and opportunities relevant to your work.
- Be consistent with others and assist wherever possible to enhance our environmental performance.

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IN CONCLUSION

With everyone working together and all of our energy going in the same direction, we can successfully implement an AS/NZS ISO 14001 Environmental Management System that will create opportunities to improve your company and make your workplace (and the world) healthier and happier for everyone.



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QUESTIONS



ISO 14001

ENVIRONMENTAL

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Is there anything more
you would like to know?
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THANK YOU FOR YOUR PARTICIPATION

