

ISO 45001:2018

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Improving tomorrow.

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Agenda

- Introduction
- Overview of Management Systems
- Structure of Documents
- Elements of ISO 45001:2018
- Implementation Considerations



About Antea Group

Antea®Group

Understanding today.
Improving tomorrow.

We Offer Worldwide Capabilities



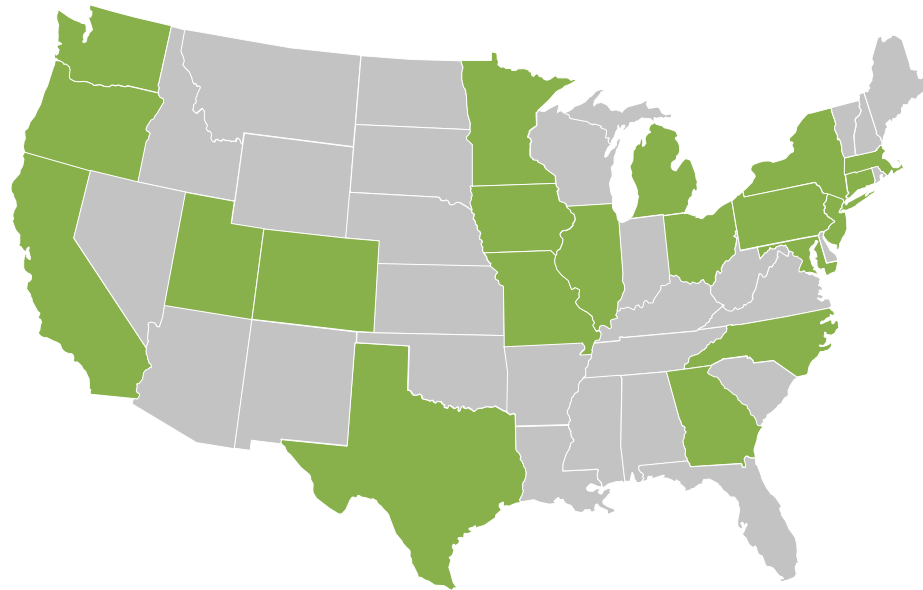
Antea Group is a wholly-owned subsidiary of Oranjewoud, a publicly traded company listed on the NYSE Euronext exchange, with **annual revenues exceeding \$2B.**



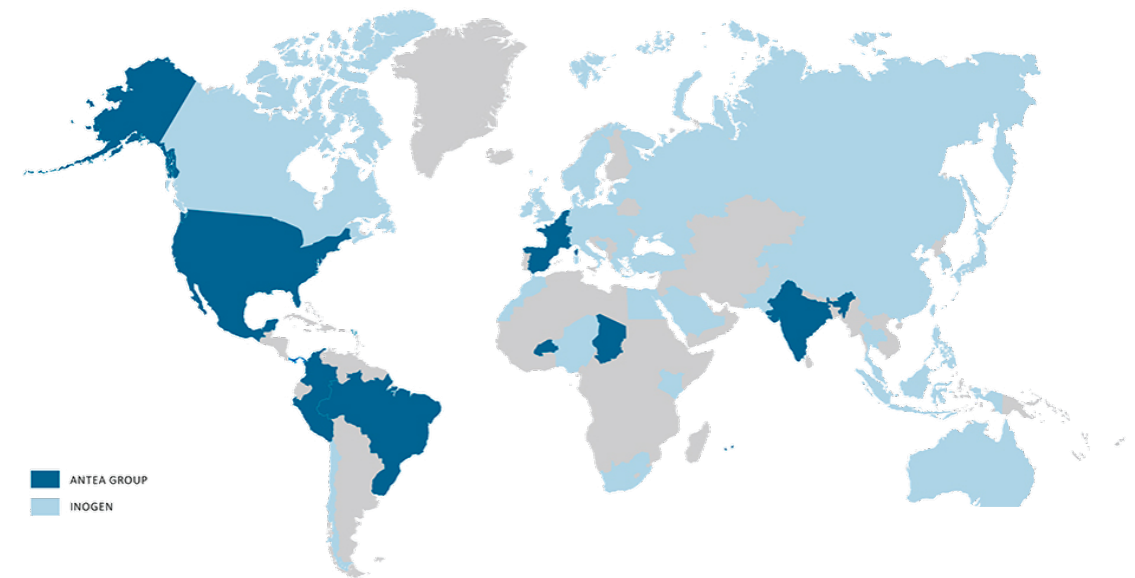
Where You Need Us, When You Need Us



USA Office Locations



Global Office Locations



Specializing in Numerous Industries



Technology



Railroad



Manufactured Goods



Risk & Financial Srvs.



Food & Beverage



Oil & Gas / Petroleum



Chemical



Retail

Offering Solutions to Meet Your Business Needs



Environmental Remediation



Health and Safety Consulting



Environmental Mergers and Acquisitions Consulting



EHS Auditing and Compliance



Sustainability Consulting Services



EHS Data and Knowledge Management

Occupational Health and Safety Management Systems



OHSMS

ANSI Z10

Voluntary Protection Program

OHSAS 18001

ISO 45001



Benefits of an OHSMS

Improved OH&S Performance

- Prevent health and safety hazards
- Enhances the involvement of leadership and participation of workers
- Provides a platform for continual OH&S improvement

Reduced Costs

- Prevent risks as opposed to reacting to them
- Efficient and streamlined processes
- Better control of injury and incident costs

Improved Public Image

- Enhanced employee and customer trust
- Competitive advantage
- Environmental Social Governance (ESG)

ISO 45001:2018

Purpose:

- *Develop a framework for managing OH&S risks*
- *Intended outcome is the creation of an Occupational Health & Safety Management System (OHSMS)*

Objective:

- *Minimizing occupational risks*
- *Improving performance*

Alignment with other ISO standards (ISO 14001, ISO 9001)

Replaces OHSAS 18001:2007



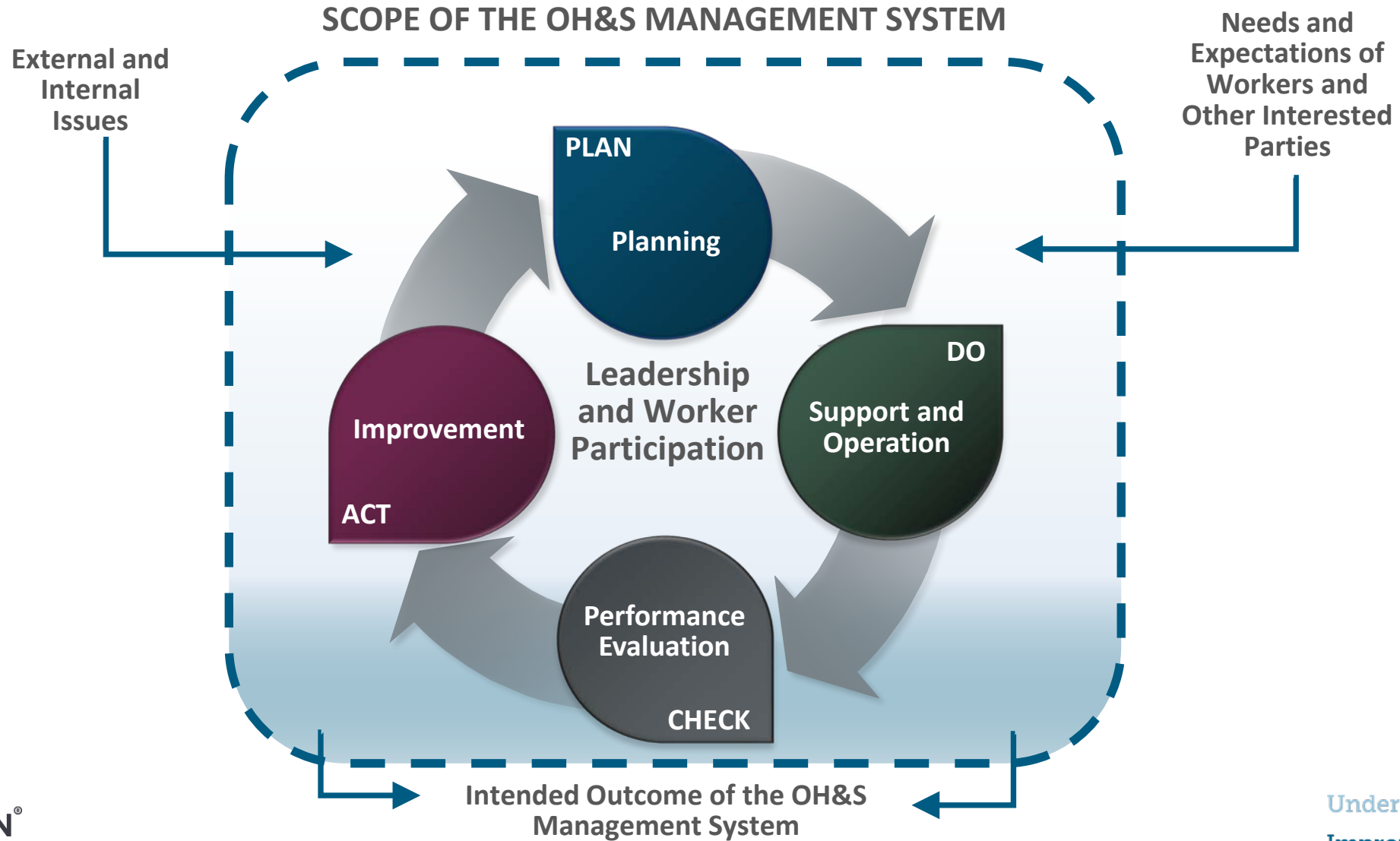
Comparing ISO 45001 to OHSAS 18001




The Transition



Continuous Improvement



Key Elements

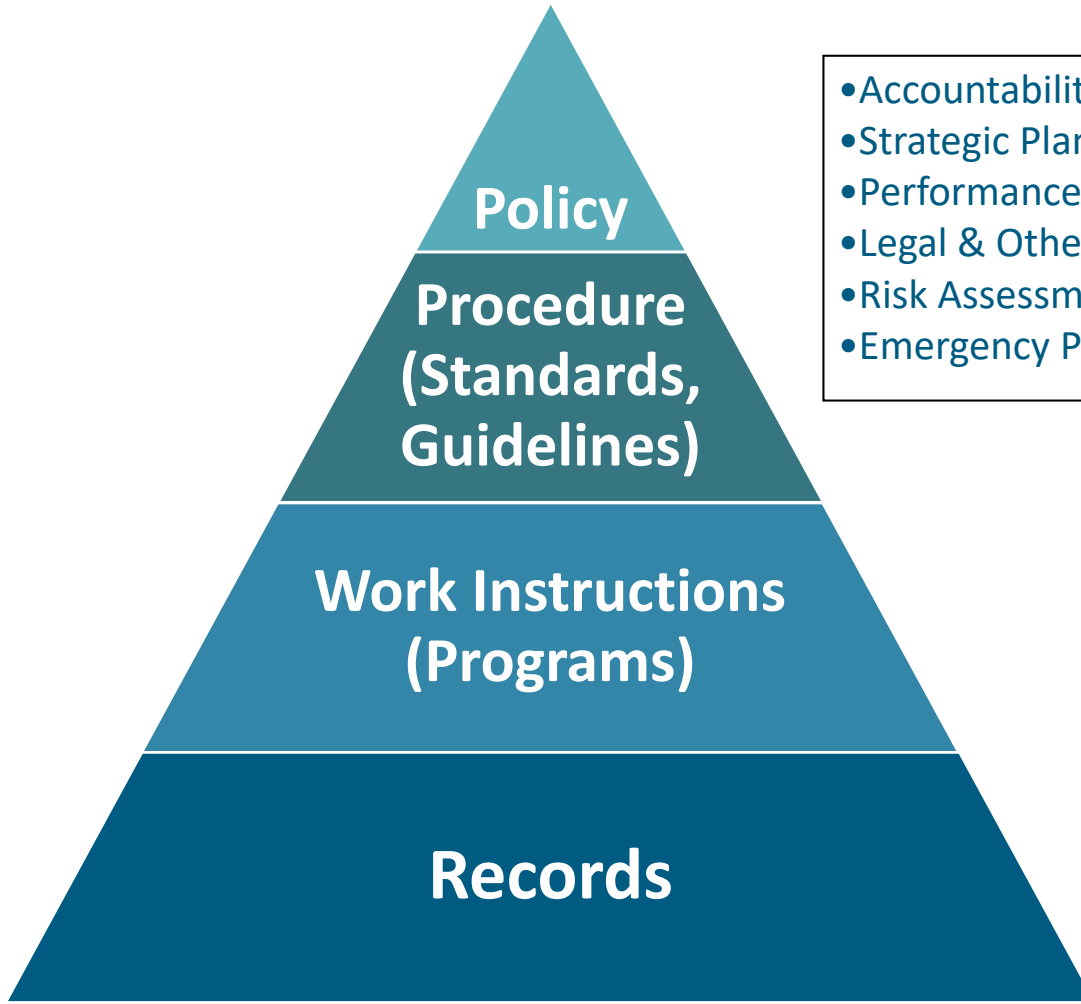
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- New approach to defining risks
 - Extends to all parts of the operations
 - Increased emphasis on leadership and employee participation
 - New concepts such as occupational well-being, risk, and opportunities
 - Context of the organization is a significant consideration
 - Documenting planning
 - Determining of scope

Clauses of ISO 45001

- Clause 1: Scope
- Clause 2: Normative References
- Clause 3: Terms & Definitions
- Clause 4: Context of the Organization
- Clause 5: Leadership and Worker Participation
- Clause 6: Planning
- Clause 7: Support
- Clause 8: Operation
- Clause 9: Performance Evaluation
- Clause 10: Improvement



EHS Documentation



- Accountability, Leadership & Governance
- Strategic Planning
- Performance Management & Metrics
- Legal & Other Requirements
- Risk Assessment & Management
- Emergency Preparedness & Response

- Training, Awareness & Competency
- Communications, Reporting & Info.
- Documents & Records
- Audits & Assessments
- Management of Change
- Due Diligence

- Ergonomics
- Industrial Hygiene
- Safety Committees
- First Aid/AED

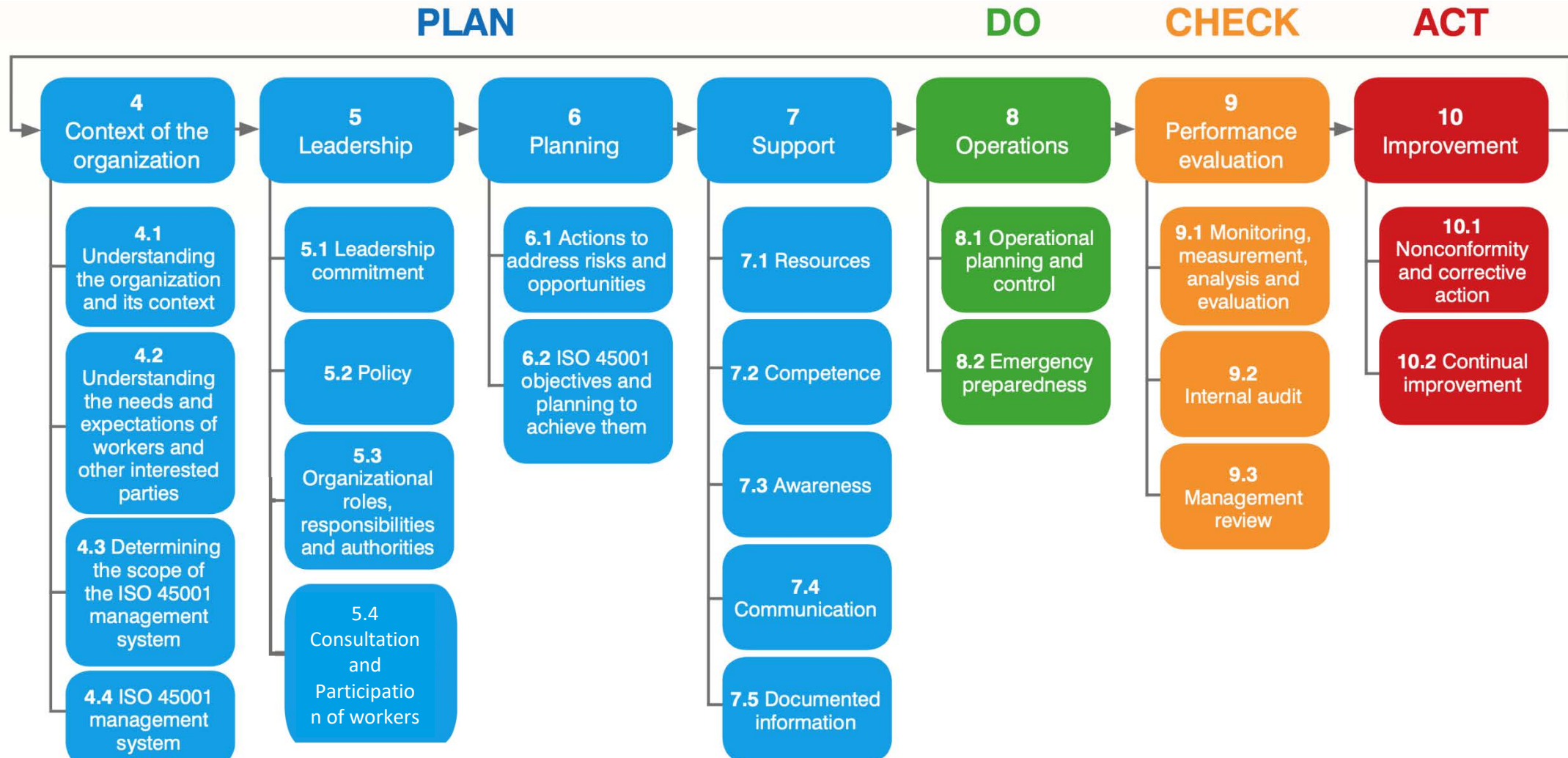
- Hazard Communication
- Ladder Safety
- Lockout/Tagout

IH Reports, Audits, Risk Assessments, Incident Investigations, Safety Committee Meeting Min, Training Records Etc.

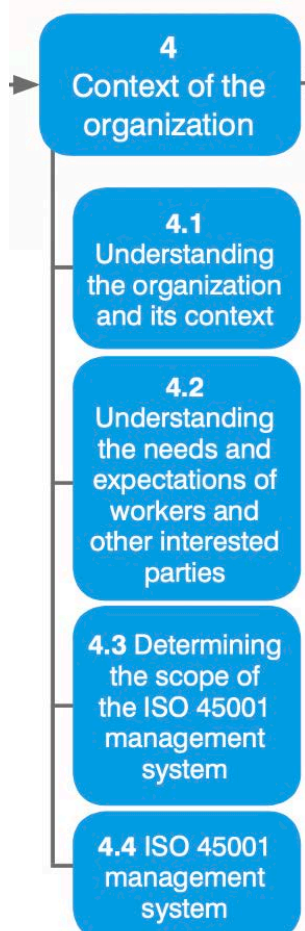
Consideration

- Resources
- Competence
- Awareness
- Communication
- Documentation



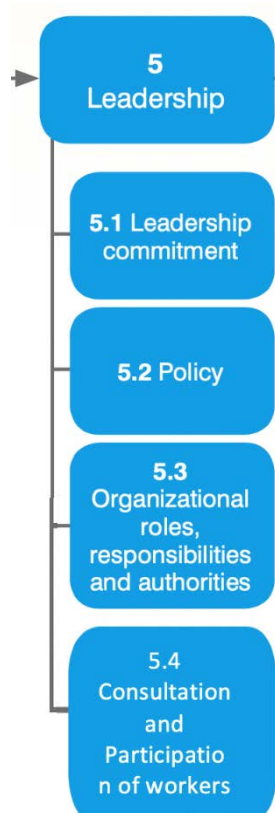


Clause 4: Context of the Organization



- Understanding the external and internal issues that are relevant to impacting the ability to achieve the intended outcomes of the OHSMS
- Understand need and expectations of workers
- Who are the interested parties
- Determine scope

Clause 5: Leadership and Worker Participation



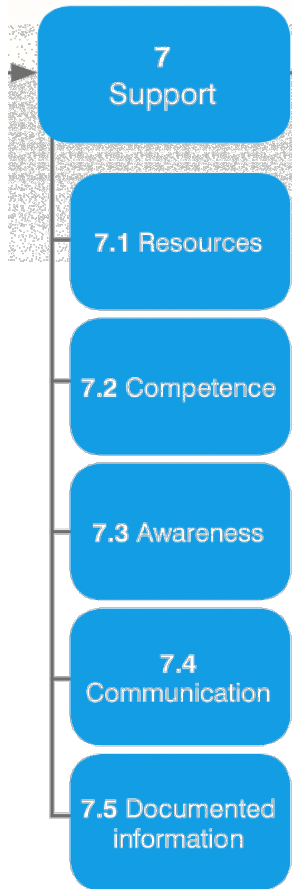
- Demonstrated commitment
- OH&S policy
- Roles and responsibilities
- Consultation and participation of workers

Clause 6: Planning



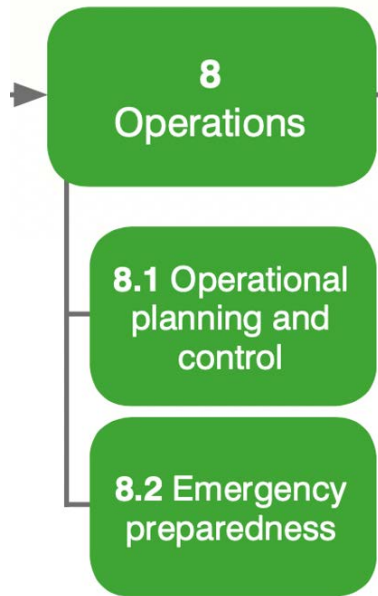
- Actions to determine risks and opportunities
- Hazard identification and assessment
- Legal requirements
- Planning actions
- OH&S objectives

Clause 7: Support



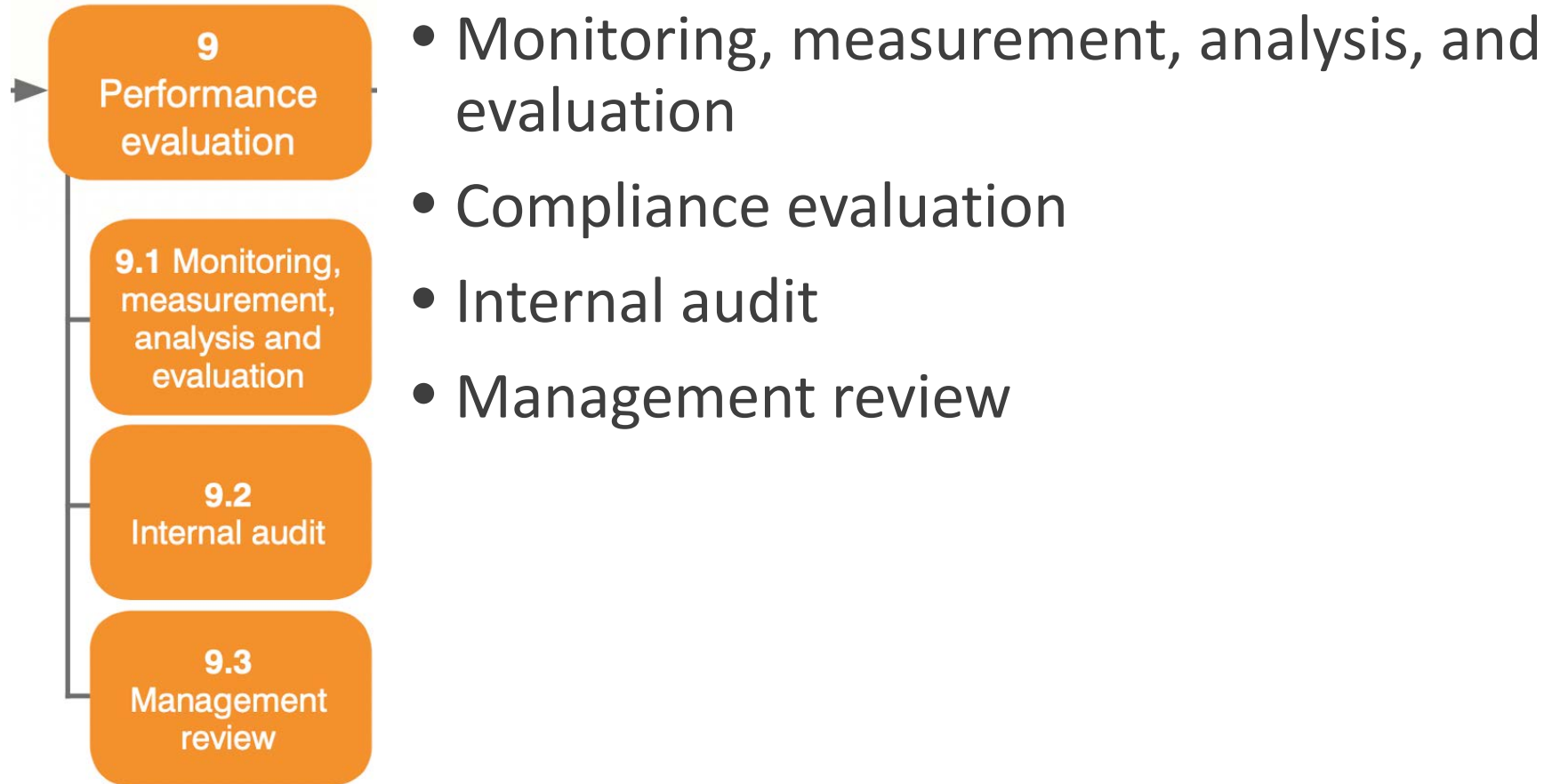
- Resources
- Competence
- Awareness
- Communication
- Documentation

Clause 8: Operations



- Eliminating hazards and reducing risk
- Management of Change
- Procurement
 - Contractors
 - Outsourcing
- Emergency preparedness

Clause 9: Performance Evaluation



Clause 10: Improvement



- Incident, Nonconformity, and Corrective Action
- Continual improvement

Steps to ISO 45001 Certification

1. Get the support of management
2. Perform an initial gap analysis
3. Define the scope of the OH&S management system
4. Define the processes and procedures
5. Implement the OH&S processes and procedures
6. Train your employees and make them aware
7. Live with the management system
8. Perform internal audits
9. Conduct a management review
10. Implement corrective actions
11. Choose a certification body
12. Certification audits

Gap Analysis

Sub-elements	ISO Ref	ISO 45001 Clause	OH&SMS Summary Activity Description	Gap	Action Needed	Record/ Documentation
4 Context of the organization 4.1 Understanding the organization and its context	4.1	The organization shall determine external and internal issues that are relevant to its purpose and that affect its ability to achieve the intended outcome(s) of its OH&S management system.				
4.2 Understanding the needs and expectations of workers and other interested parties. The organization shall determine:	4.2.a	the other interested parties, in addition to workers, that are relevant to the OH&S management system;				
	4.2.b	the relevant needs and expectations (i.e. requirements) of workers and other interested parties;				
	4.2.c	which of these needs and expectations are, or could become, legal requirements and other requirements?				

Common Gaps for Mature EHS Programs



- Communication procedure.
- Change management procedure.
- Document and record control procedure
- Formal processes to create measurable EHS objectives and plans to achieve them.
- Employee management system awareness
- Legal register of EHS requirements
- Monitoring/audit program for ISO 45001 **conformance**.
- Documented evidence of continual improvement.

Commonly Used Documents

Document title	Clause of ISO 45001:2018
Procedure for Determining Context of the Organization and Interested Parties	4.1
OH&S Manual	4
Procedure for Consultation and Participation of Workers	5.4
Procedure for Hazard Identification and Assessment	6.1.2.1
Procedure for Communication	7.4.1
Procedure for Document and Record Control	7.5
Procedure for Operational Planning and Control	8.1
Procedure for Change Management	8.1.3
Procedure for Internal Audit	9.2
Procedure for Management Review	9.3
Procedure for Incident Investigation	10.2
Procedure for Management of Nonconformities and Corrective Actions	10.2

Required Documents and Records

Document	Clause of ISO 45001
OH&S Management System Scope	4.3
EHS Policy	5.2
Responsibilities and authorities within the EHSMS	5.3
EHS process for addressing risks and opportunities	6.1.1
Methodology and criteria for assessment of EHS risks	6.1.2.2
EHS Objectives and plans for achieving them	6.2.2
Procedure for emergency preparedness and response	8.2

Record	Clause of ISO 45001
Risks and opportunities and actions for addressing them	6.1.1
Legal and Other requirements	6.1.3
Evidence of competence	7.2
Evidence of communications	7.4.1
List of external documents	7.5.3
Plans for responding to potential emergency situations	8.2
Results on monitoring, measurement, analysis and performance evaluation	9.1.1
Maintenance, calibration or verification of monitoring equipment	9.1.1
Compliance evaluation results	9.1.2
Internal audit program	9.2.2
Internal audit results	9.2.2
Results of management review	9.3
Nature of incidents or nonconformities and any subsequent action taken	10.2
Results of any action and corrective action, including their effectiveness	10.2
Evidence of the results of continual improvement	10.3

Considerations in ISO Implementation



ISO Implementation can vary depending on the size and maturity of the organization and its EHS programs.

It is not a program that can be easily handed off to or managed by a third party, but third-party resources can help in implementation.

Getting buy-in from all stakeholders can be challenging:

- ISO standards often require additional work unless processes are already in place.

Implementing a program at the corporate/global level and ensuring its success at the site-level can be difficult.



Thank you

If you have more questions...

Antea®Group

Understanding today.
Improving tomorrow.

We do more than effectively solve client challenges; we deliver sustainable results for a better future.



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