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ISO14001:2015

EMS Awareness Training Course

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About Qdot

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Qdot managed by a team of experienced professionals, is committed to promote quality & excellence culture in GCC (UAE, QATAR, KSA, Oman, Kuwait, Bahrain)by providing below mentioned services.

Management System Services

 ISO 9001, ISO 14001, ISO 45001, HACCP, ISO 22000, FSSC 22000, BRC GS, Halal, ISO 22716 (GMP),Organic Certification, ISO 27001, ISO 41001, ISO 37001, ISO 50001, ISO 55001, ISO 17020 & ISO 17025 etc

Training Services

- IRCA Approved Lead Auditor
- Awareness & Trainings on ISO Standards

Product Registration

• SABER, SQM, SFDA, CITC, IECEE, ECAS, EQM, RoSH, EESL, SLCP, G-Mark etc



Social Compliance

• SEDEX-SMETA, SA 8000, amfori BSCI, ISO 26001, WRAP, GRLI, ESG, CTPAT etc

Today's Agenda

- Introduction to course
- EMS Overview
- Covering changes arising as a result of the adoption of Annex SL

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- Covering changes arising as a result of changes to the standard specific content.
- ISO14001:2015 Requirements





EMS

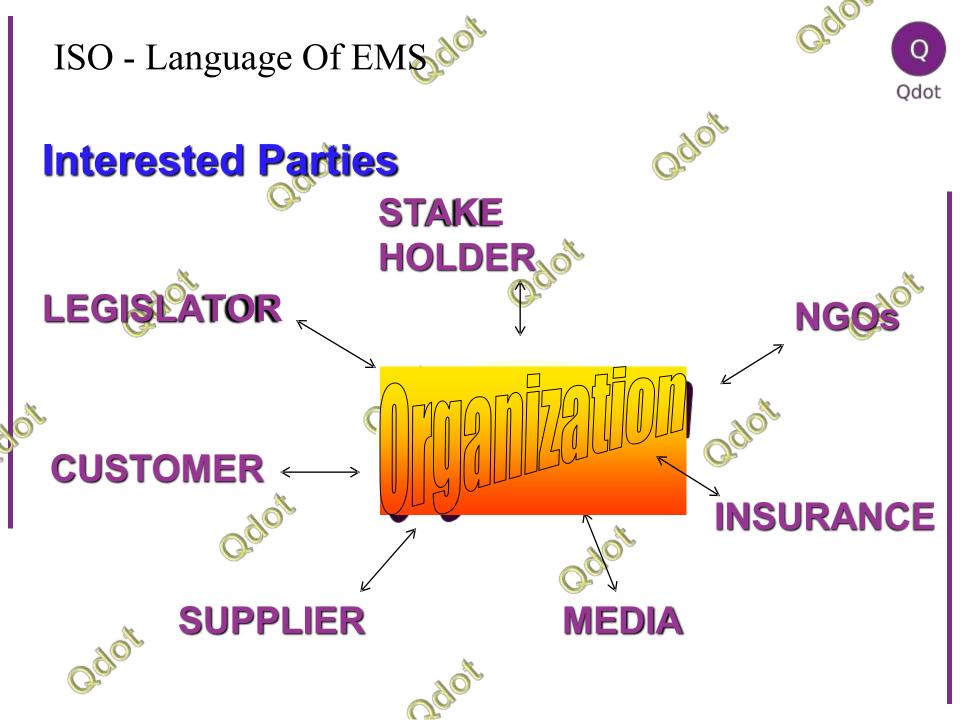


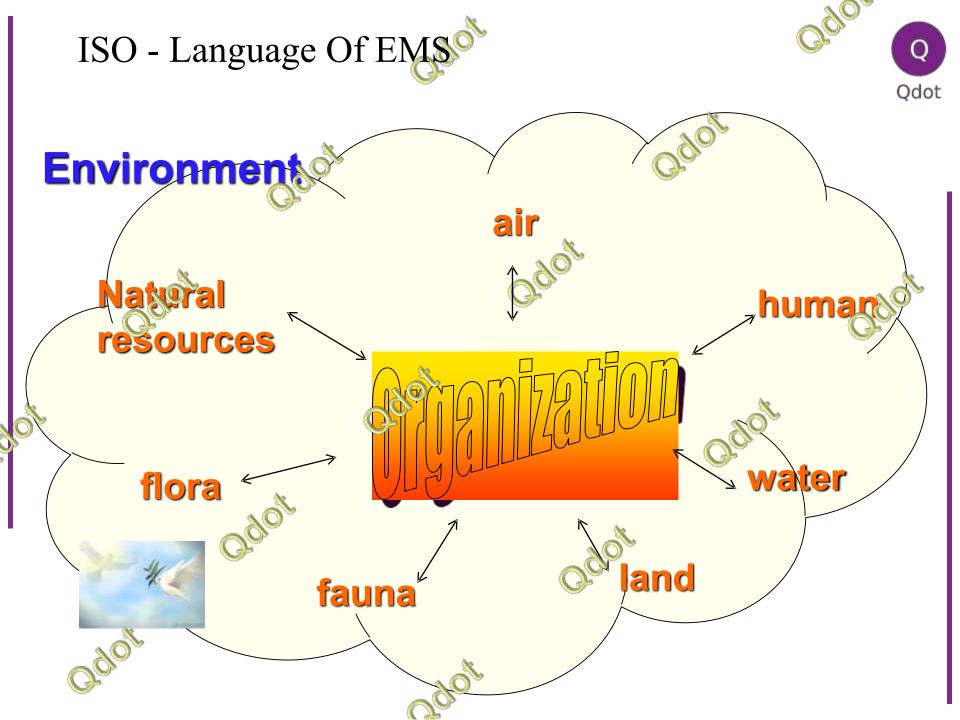
Environmental Management System :

part of the management system used:

- to manage environmental aspects,
- to fulfill compliance obligations,
- to address risks and opportunities







Prevention of Pollution -1

What? (ISO 14001)



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Use of processes, practices, techniques materials, products, services or energy to avoid, reduce or control the creation, emission or discharge of any type of pollutant or waste, In order to reduce adverse environmental impacts

Note: Prevention of pollution can include source reduction or elimination, process, product or service changes, efficient use of resources, material and energy substitution, reuse, recovery, recycling, reclamation and treatment.

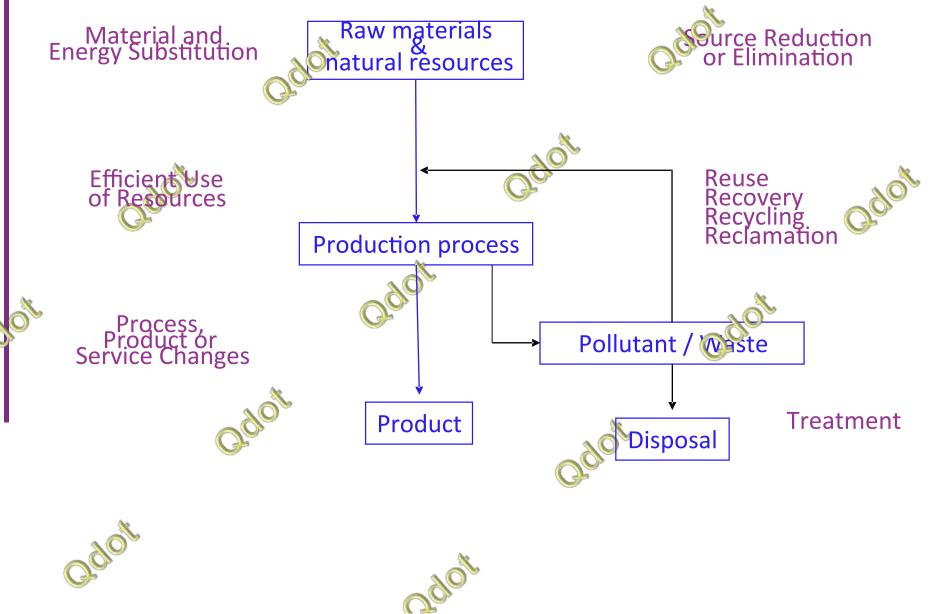




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ISO - Language Of EMS

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Continual Improvement

Recurring activities of enhance performance







"Continual improvement should be a permanent objective of the organisation."





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What is it?----The History

- Need for common understanding of environmental management
- 1991: ISO Strategic Advisory Group on the Environment
- 1992: ISO Technical Committee 207
- 1996: First of ISO 14000 Series of Standards introduced
- 2004: First revision of the ISO14001

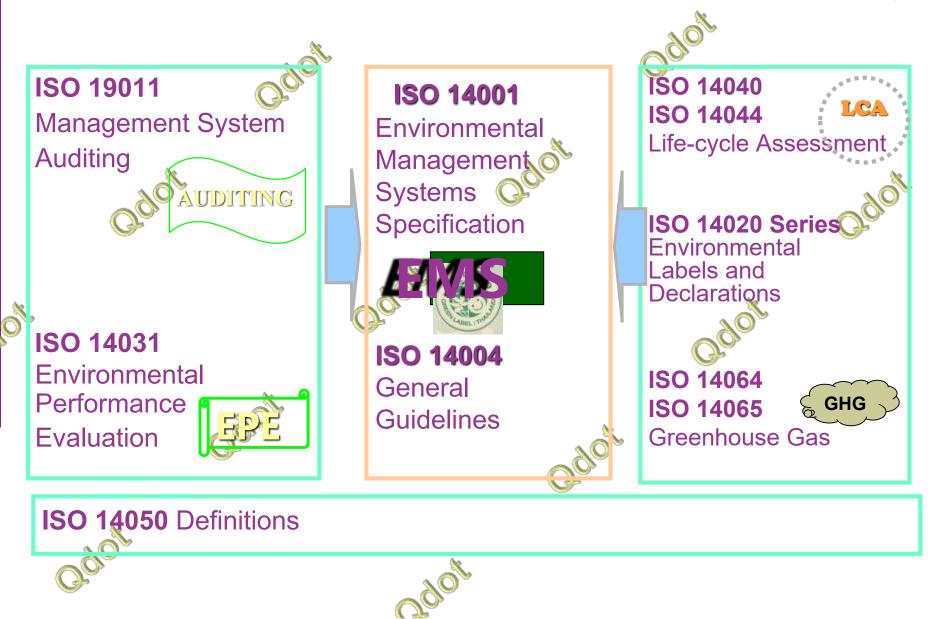
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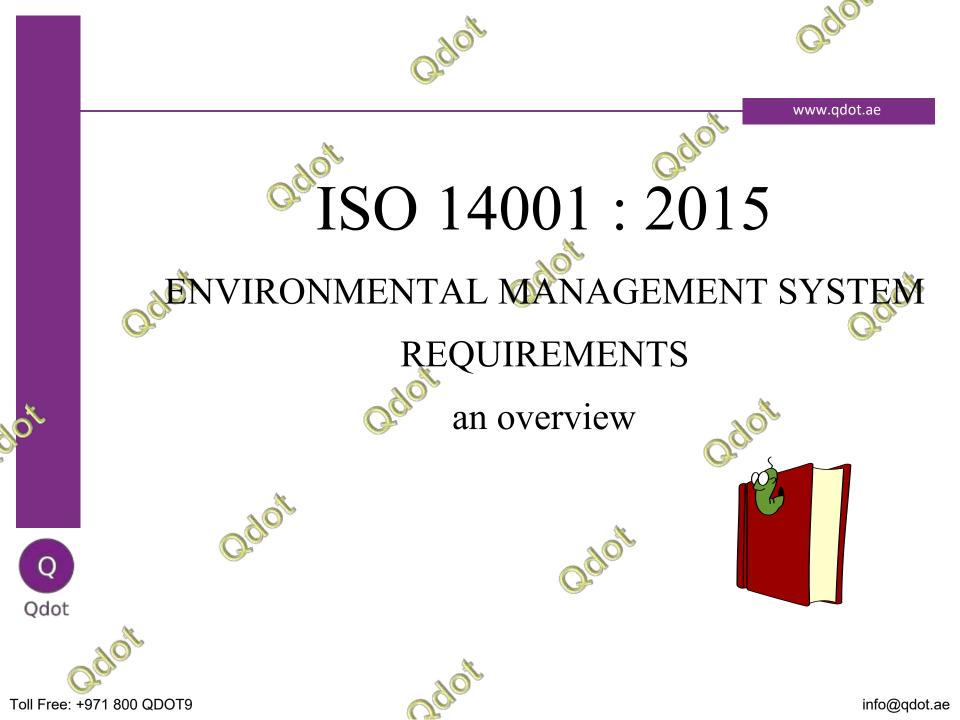
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15 September 2015: Latest revision of the ISO14001

ISO 14000 Series of Standards







Purpose of the standard



- To provide organizations with a framework, in balance with socio-economic needs, to
 - Sprotect the environment and
 - respond to changing environmental conditions.
- To enable an organization to achieve the intended outcomes it sets for its EMS
- Contain the requirements used to assess conformity



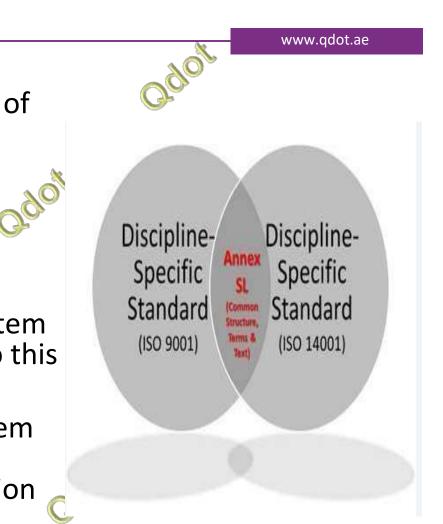
Annex SL



 This annex with the objective of delivering consistent and compatible MSSs.

20101

- Previously ISO Guide 83
- Defines the framework for a generic management system
- All new ISO Management System Standard (MSS) will adhere to this framework
- All current Management system standard will migrate to the framework at their next revision





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Purpose of the Annex SL Appendix

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- To create a common text framework, which will be easier for organisations to utilise and for auditors to audit against.
- To improve the effectiveness, and value of management system standards generally by being more holistic.

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Plan: Establish the system and its component needed

- Do: implement what is planned
- Check: Monitor and measure processes and the resulting products and services

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• Act: take actions to improve process performance, as necessary





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High Level Structure



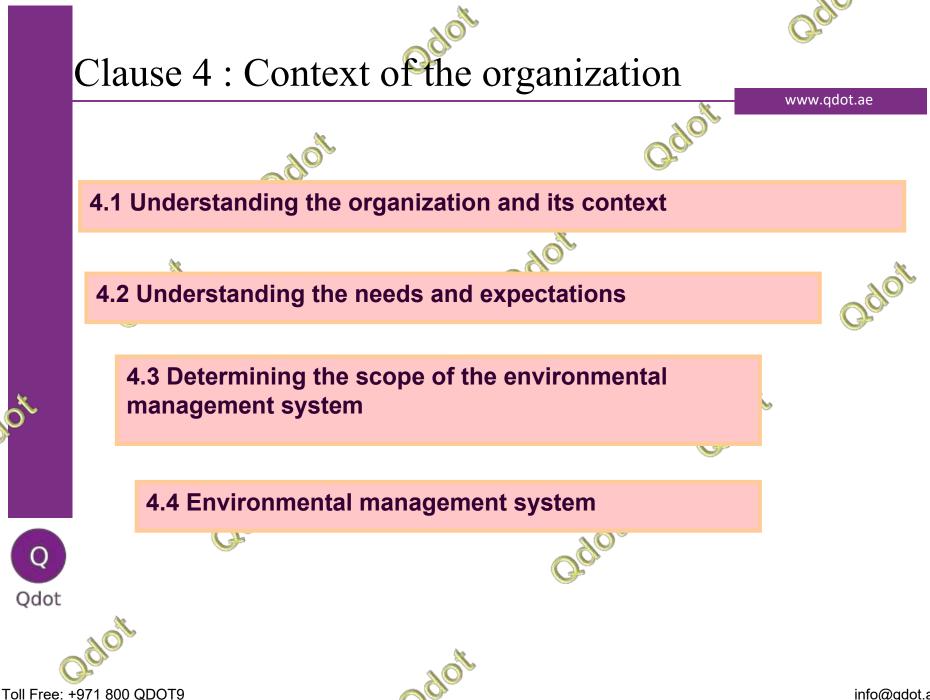
		Clauses	Topic		
		1	Scope		
		2	Normative Reference		
	Plan	3	Term and Definition	Qdot	
		4	Context of the organization		
		5	Leadership		
		6	Planning		
	Do	7	Support		
		8	Operation		
	Check	9	Performance Evaluation		
	Act	10	Improvement		
Z	No.		9	-	

Purpose of the new framework

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- Stable framework for next 10 years
- <u>Generic</u> but still relevant to <u>all types</u> and sizes of organisation ____
- Focus on effective process management
- To reflect changes in the increasingly complex and dynamic working environment
- To apply uniform structure
- Simplify effective implementation & compliance review
- Simple phrasing to ensure common understanding and consistent interpretation





External Context



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	External	Example
	Context (PESTLE)	
	Political	tax policy, political stability, nation election cause the change in government policy
	Economic	Increasing fuel costs, exchange rates which reduces money for investing
o*-	Social	emphasis on workplace safety, influence by the government initiative (i.e OHSAS)
	Technological	R&D activity, automation, technology incentives and the rate of technological change
0	Legal	Environmental law, Workplace Safety Act, and Labor Law
Qdot	Environmental	Climate change causing flooding at the project location
	<u>An</u>	





Internal Context (Examples)

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	Internal Context (TECOP)	Example	
	Technical	Infrastructure and equipment and machinery used within the company for product and services	
k .	Economic	financial management systems, cash flow, capital reserves and commercial viability of the organization	
or	Cultural	shared values (sustainability) and team works (bottom-up planning)	
	Organization	capabilities, policies, standards, guidelines strategies	
Q	Political (Internal)	Decision making by top down approach	
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Example

Architecture firm

- 1) External Context:
 - Increase of local environmental awareness: incorporate sustainability concept in design of building
 - Oi. High bank interest rate: Reduction of investment from stakeholders
- 2) Internal Context:
 - i. Due to low quotation: recycling materials are used to demonstrated the building model
 - ii. Communication and decision making: Team discussion and sharing to promote creativity and innovation in design concept

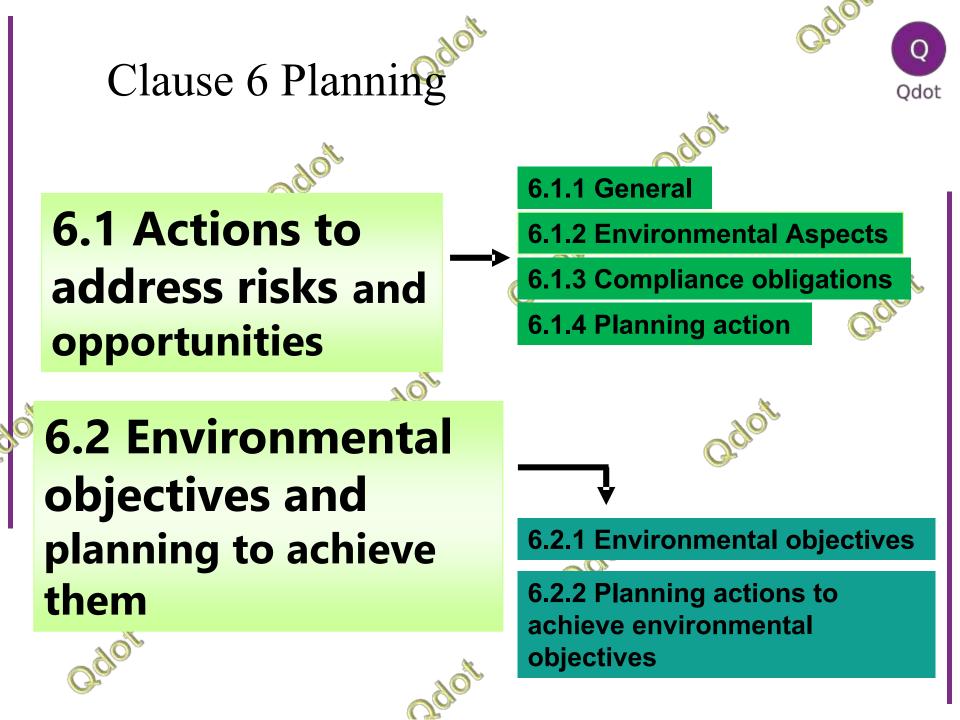


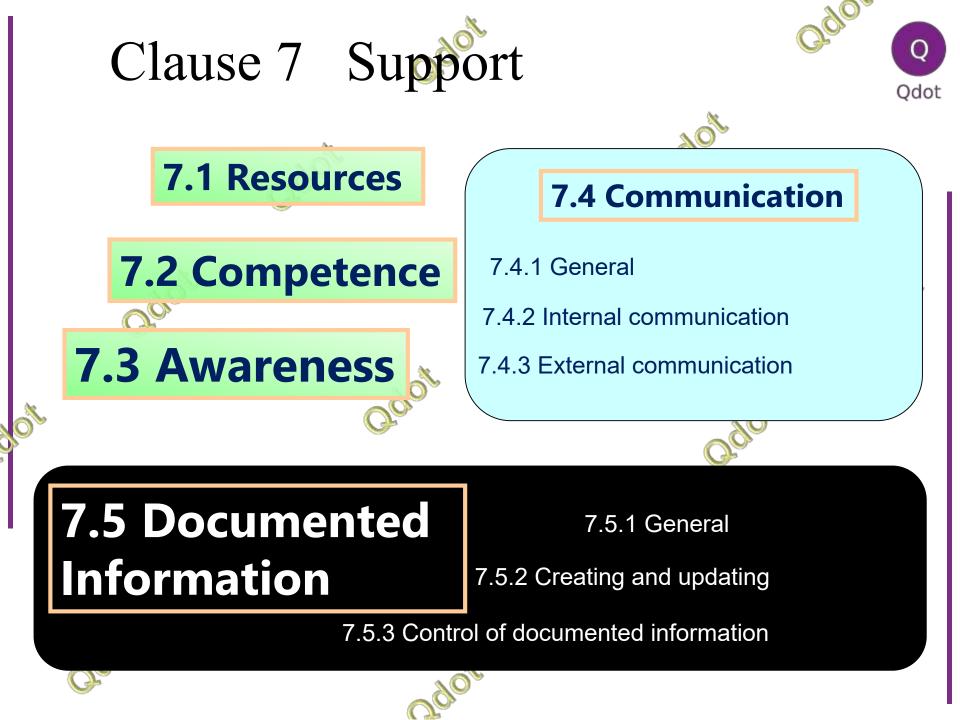
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Clause 5 Leadership





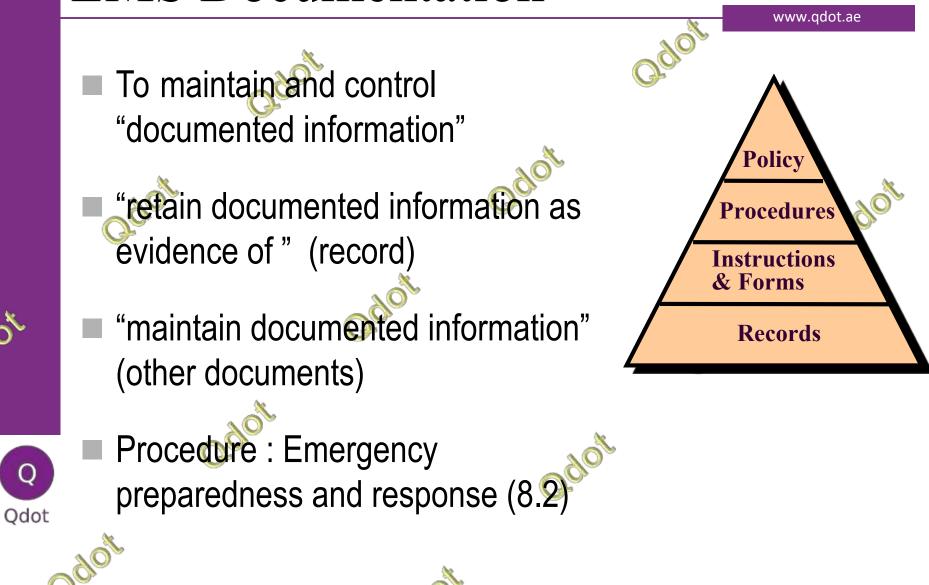




EMS Documentation

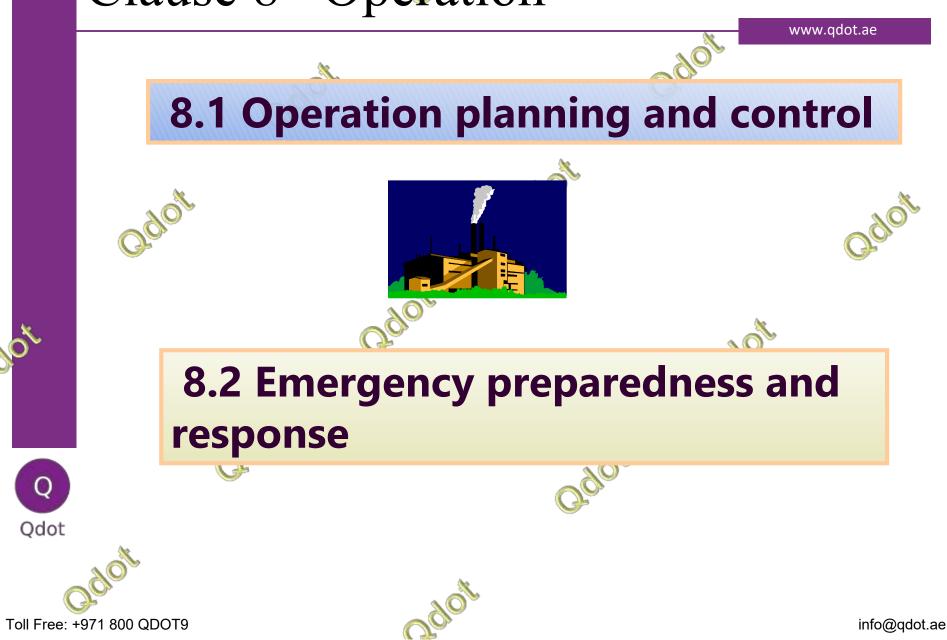
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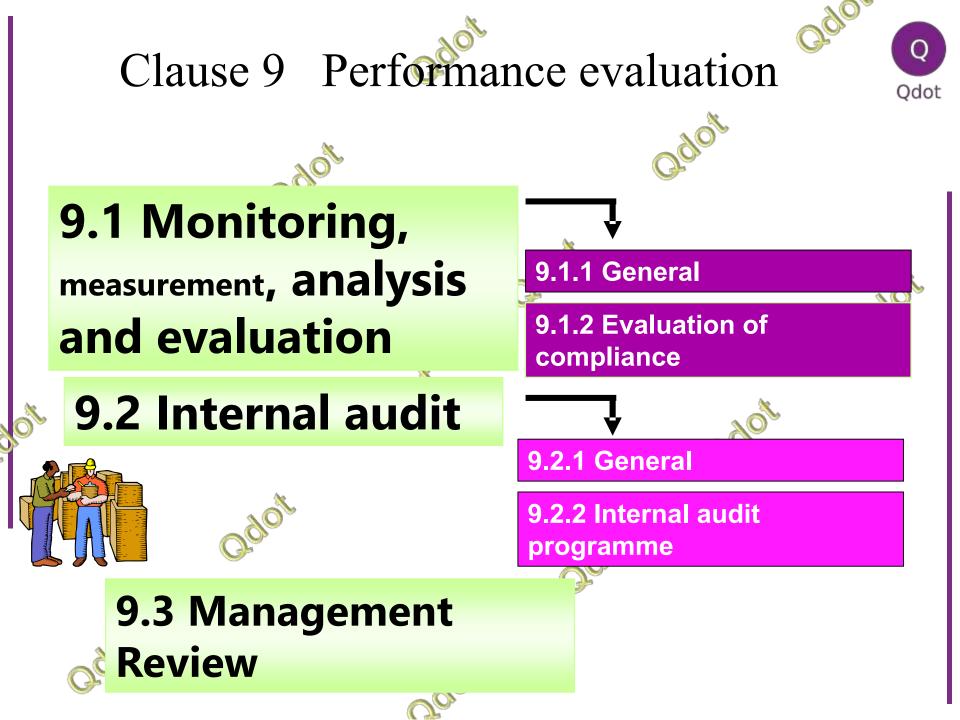








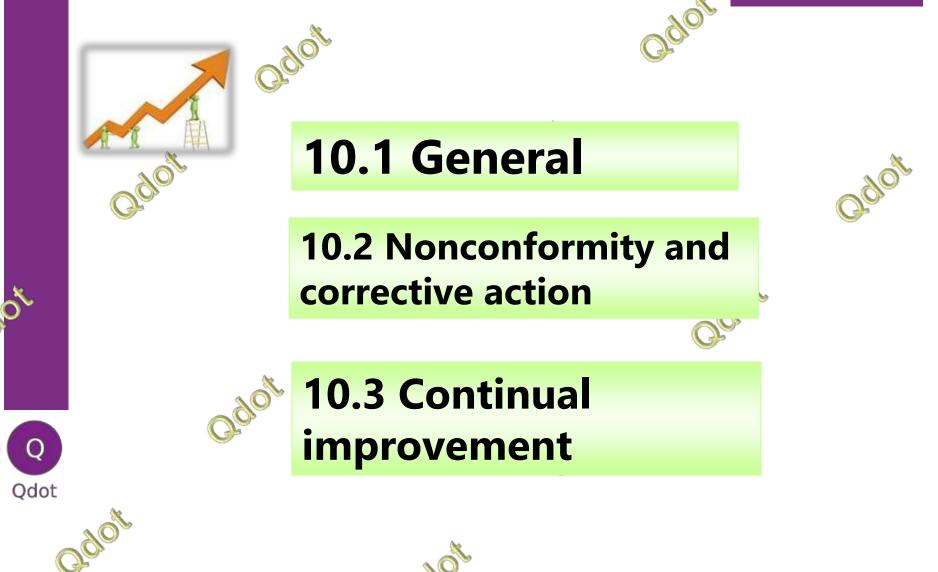




Clause 10 Improvement



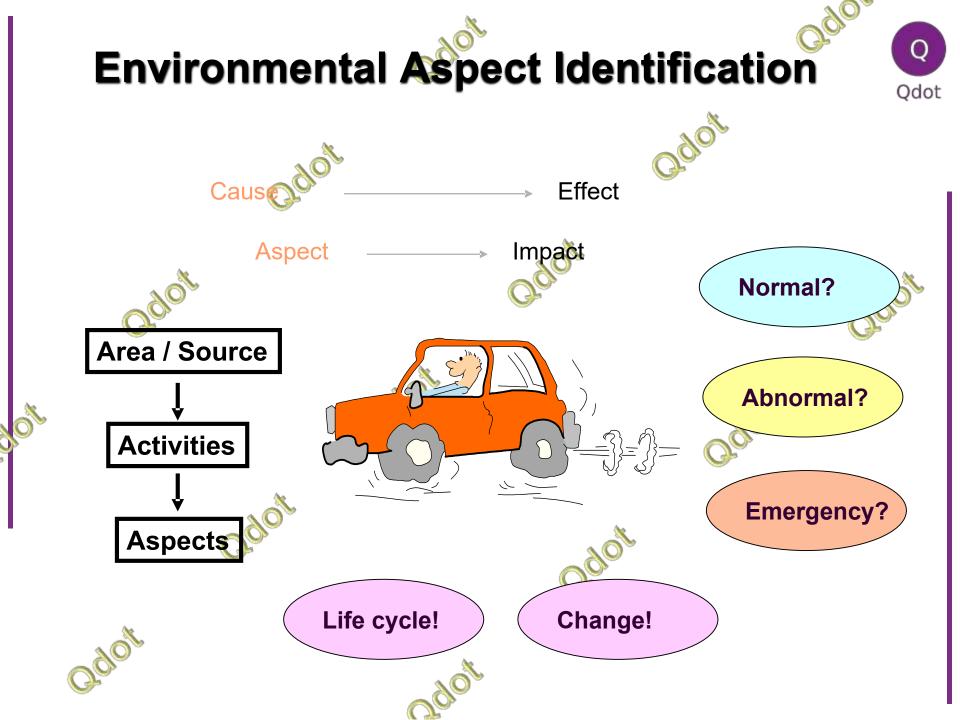
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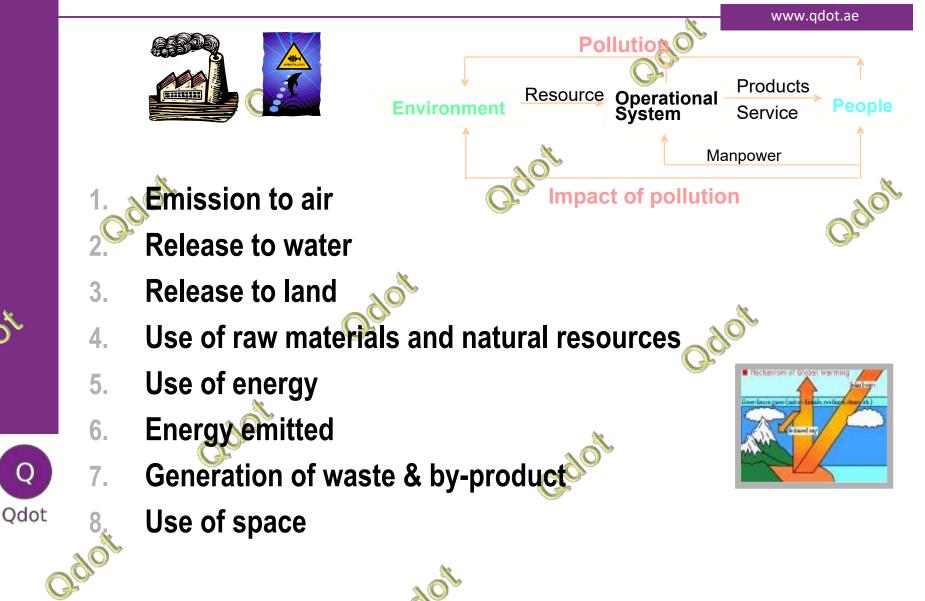
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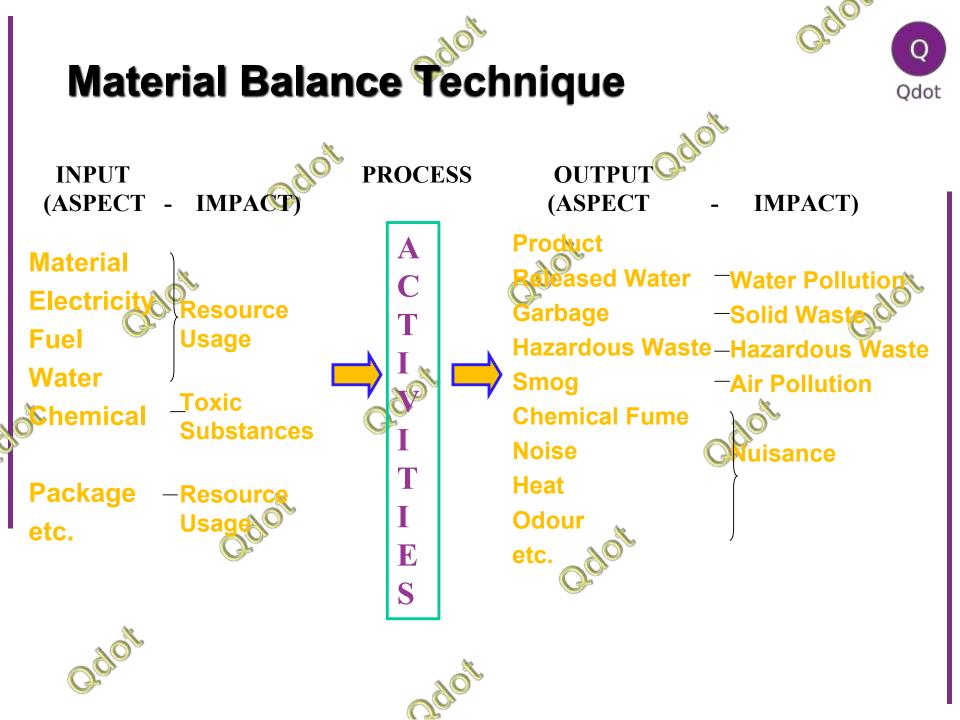


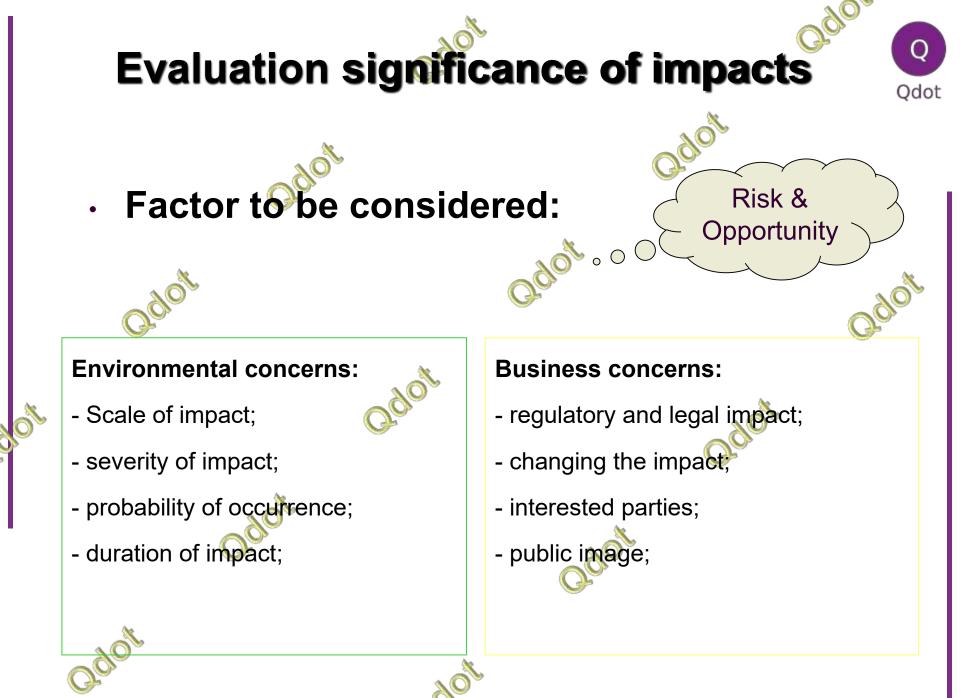


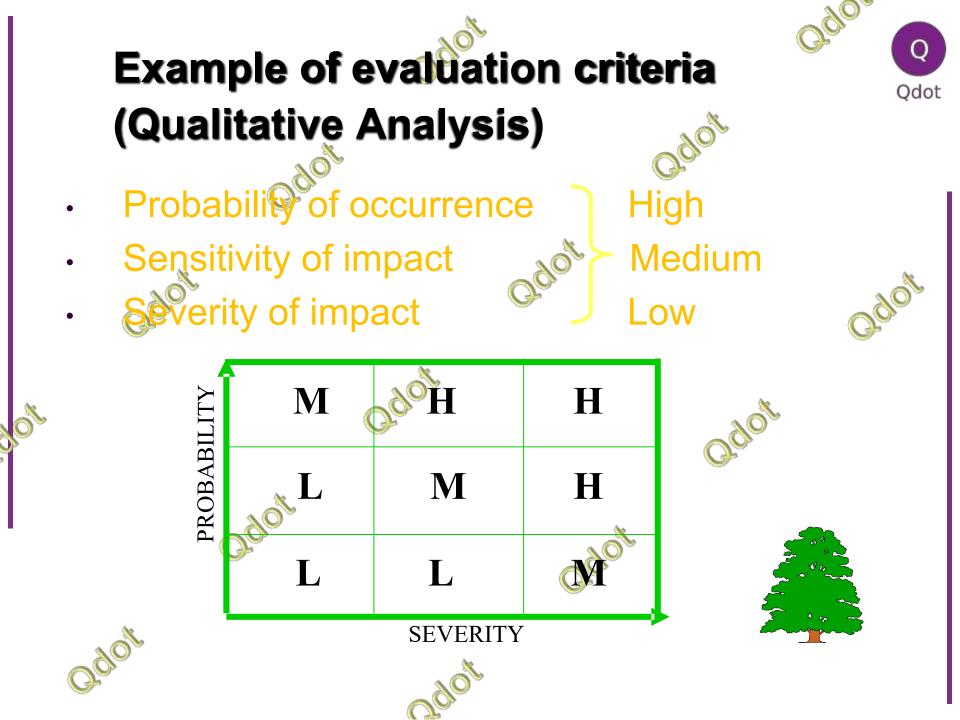




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EXERCISE: Identification of Aspects of an Etching process



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