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**OHSAS 18001**

Overview of

**OHSAS 18001**

**Occupational Health and Safety**

**Management System**



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**OHSAS 18001**

***WHAT IS OHSAS????***

**Occupational Health and Safety Assessment Series (OHSAS) Standard.**

**The 2007 version is the latest OHSAS 18001 standard that replaced the 1999 version.**

**OHSAS 18001 has been developed in response to customer demand for a recognizable occupational health and safety management system standard.**

***It was developed to be compatible with the ISO 9001:2008/TS 16949 (Quality) and ISO 14001:2004 (Environmental) management systems standards.***

**A NEW ISO STANDARD! *OHSAS 18001 will be changed to ISO 45001 on October, 2016***



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**OHSAS 18001**


***Benefits of OHSAS:***

- Control OH&S Risks
- Recognize OH&S Hazards
- Improve OH&S Performance





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**OHSAS 18001**


**OHSAS 18001 – Definitions:**

**Occupational Health and Safety (OH&S)**

- conditions and factors that affect, or could affect, the health and safety of:
  - employees or other workers
  - (including temporary workers and contractor personnel),
  - visitors,
  - or any other person in the workplace



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**OHSAS 18001**


## OHSAS 18001 – Definitions(continued):

### Incident:

- **Work-related event(s) in which:**
  - An injury, or
  - *ill health*
  - (regardless of severity)
  - or fatality occurred,
  - OR could have occurred.



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**OHSAS 18001**

## OHSAS 18001 – Definitions (continued):

### ill Health:

- **Identifiable, adverse physical or mental condition:**
  - arising from and/or
  - made worse
  - by a work activity and/or
  - work-related situation



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## OHSAS 18001

### OHSAS 18001 – Definitions (continued):

**Hazard:**

- Source, situation or act with a *potential for harm* in terms of:
  - Human injury, or
  - ill health, or
  - a combination of these



Let's take an awareness test...

## Identifying hazards is simple right?

- Everyone sees every hazard they come across, right?

inattention

blindness



## General Duty Clause



### Section Number 5 of the OSHAct

(a) Each employer –

- (1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees;
- (2) shall comply with occupational safety and health standards promulgated under this Act.

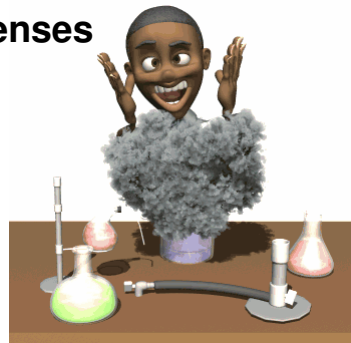
(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his own actions and conduct.


## **Recognized hazard**

● **Common knowledge in particular industry**


● **Detectable**

- ✖ **By means of the senses**
- ✖ **Generally known**





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## OHSAS 18001

### OHSAS 18001 – Definitions (continued):

**Risk:**

- **Combination of:**
  - the likelihood of an occurrence of a hazardous event, or
  - the severity of injury or ill health,
  - that can be caused by the event or exposure(s).


$$= \text{Severity of Consequence} \times \text{Likelihood of Occurrence}$$

## Probability


- The probability of any outcome is the number of times that outcome can occur divided by the total number of outcomes.




### PROBABILITY OF AN EVENT

$$P(A) = \frac{\text{The Number of Ways Event A Can Occur}}{\text{The Total Number of Possible Outcomes}}$$





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## OHSAS 18001 – Definitions (continued):

### Risk Assessment:

- **Process of evaluating the risk(s):**
  - Arising from a hazard(s)
  - Taking into account the adequacy of any existing controls,
  - and deciding whether or not the risk(s) is *acceptable*



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## OHSAS 18001 – Definitions (continued):

### Acceptable Risk:

- Risk that has been reduced to a level that can be *tolerated* by the organization:
  - Having regard to its legal obligations and its own OH&S policy.





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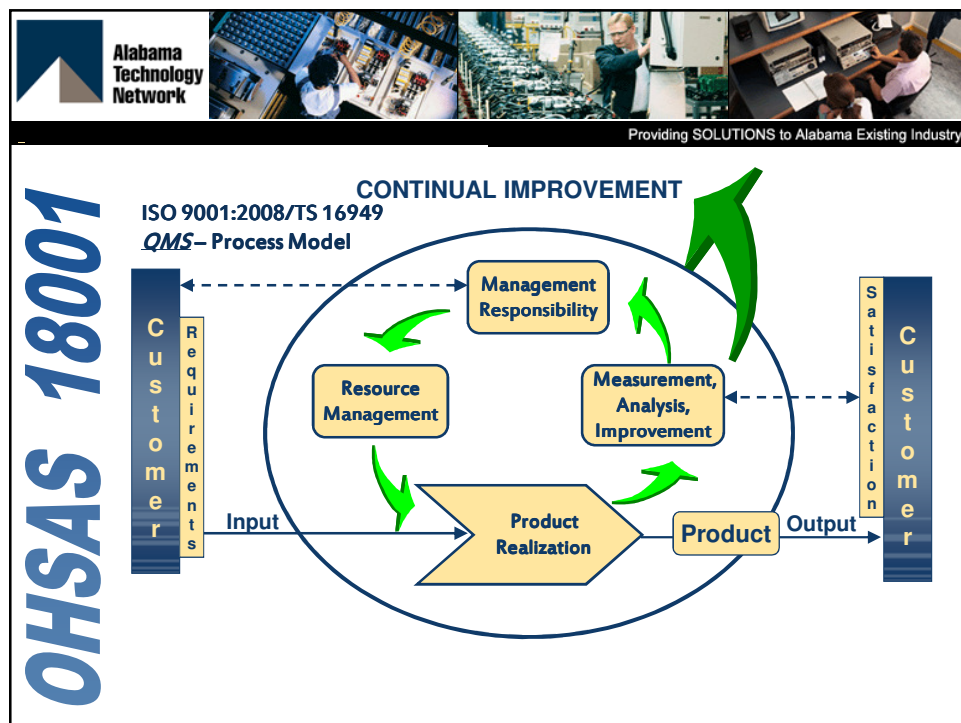


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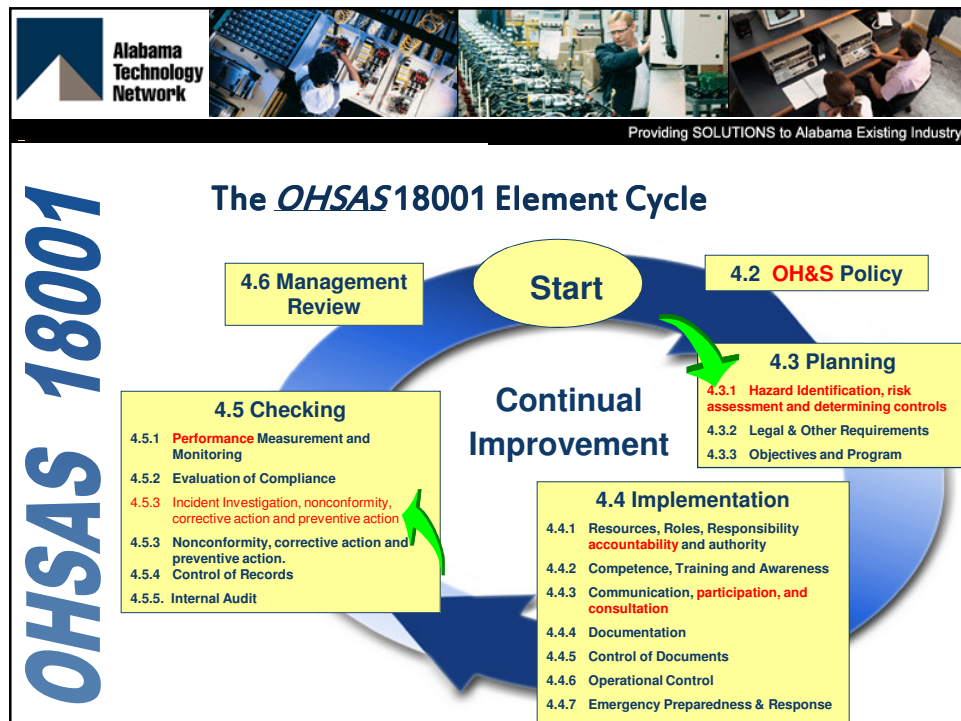
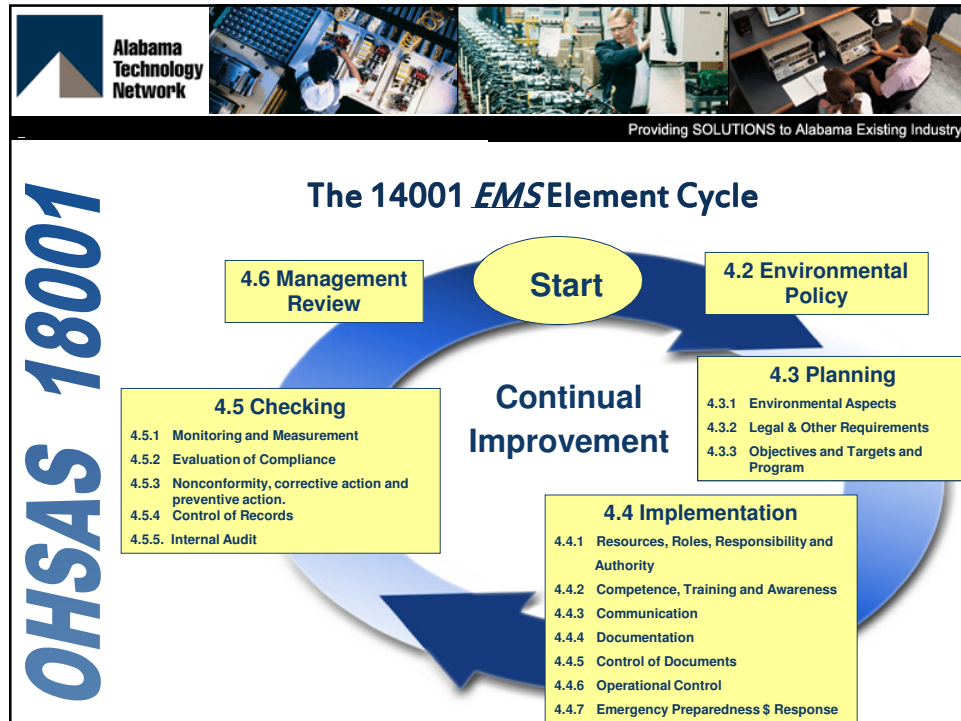
# OHSAS 18001



## Management Systems



### QMS...EMS...OHSAS





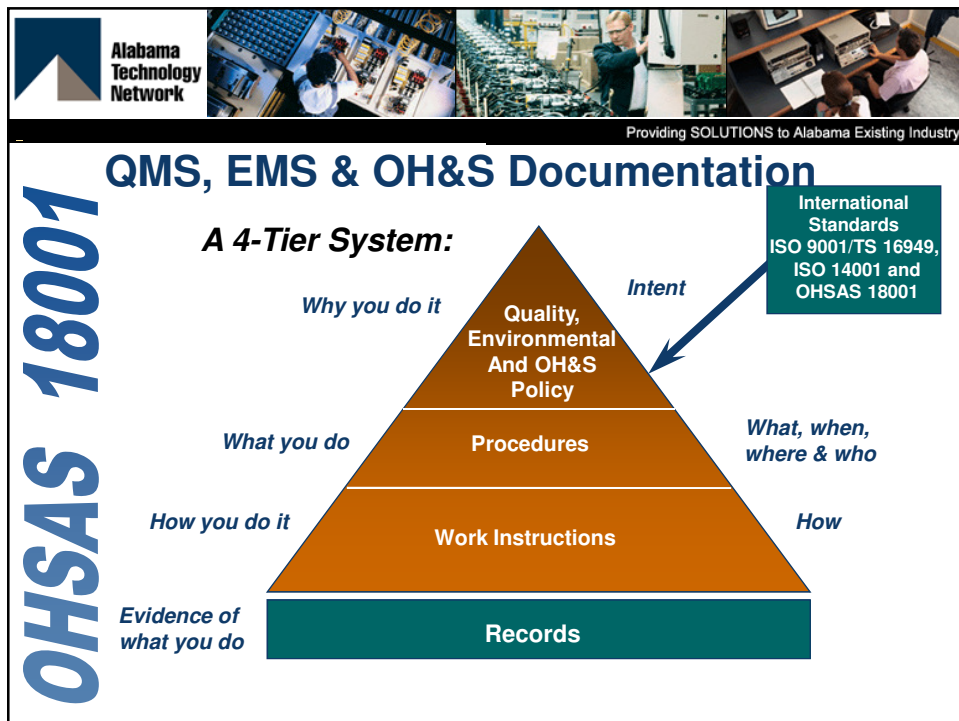






<b>OHSAS 18001</b>	 	
	Alabama Technology Network Providing SOLUTIONS to Alabama Existing Industry	
	<b>Correspondence between ISO 14001 and OHSAS 18001</b>	
	ISO 14001: 2004	OHSAS 18001: 2007
	4.1 General Requirements	4.1 General requirements
	4.2 Environmental Policy	4.2 OH&S Policy
	4.3 Planning	4.3 Planning
	4.3.1 Environmental Aspects	4.3.1 Hazard Identification, risk assessment, and determining controls
	4.3.2 Legal and Other Requirements	4.3.2 Legal and Other Requirements
	4.3.3 Objectives, Targets and Program	4.3.3 Objectives, Targets and Program

<b>OHSAS 18001</b>	 	
	Alabama Technology Network Providing SOLUTIONS to Alabama Existing Industry	
	<b>Correspondence between ISO 14001 and OHSAS 18001 (continued)</b>	
	ISO 14001: 2004	OHSAS 18001: 2007
	4.4 Implementation and Operation	4.4 Implementation and Operation
	4.4.1 Resources, Roles, Responsibility and Authority	4.4.1 Resources, Roles, Responsibility, Accountability and Authority
	4.4.2 Competence, Training and Awareness	4.4.2 Competence, Training and Awareness
	4.4.3 Communication	4.4.3 Communication, Participation, and Consultation
	4.4.4 Documentation	4.4.4 Documentation
	4.4.5 Control of Documents	4.4.5 Control of Documents

 <b>Alabama Technology Network</b> 																			
Providing SOLUTIONS to Alabama Existing Industry																			
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## ***TYPES OF AUDITS***

- I. INTERNAL AUDIT**
- II. REGISTRATION AUDIT**  
*(Will the registrar audit QMS, EMS and OHSAS?)*

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**OHSAS 18001**

### **QMS, EMS and OHSAS**

#### **How Do You Maintain Registration?**

- **Pass surveillance audits, usually a partial audit every 6 to 12 months**
- **Pass re-registration audits, usually a full audit every 3 years**  
*NOTE: Systems vary among registrars.*
- **Conduct Internal Audits at a regularly scheduled frequency**



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**OHSAS 18001**

## OHSAS 18001 Implementation Process -

1. Safety and Health Regulatory Compliance Assessment
2. Provide Documentation Templates
3. Customization of Templates:
  - a) Manual
  - b) Procedures
  - c) Work Instructions
4. Conduct Internal Auditor Training
5. Follow-up Visits:
  - a) Review Internal Audits
  - b) Review other records
  - c) Determine readiness for Registrar!



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**OHSAS 18001**

## OHSAS Implementation Assistance -

1. Company by Company assistance
  - a) *Conduct S&H Compliance Assessment*
  - b) *Assist company representative with implementation over 6-9 month period*
  - c) *Conduct Internal Auditor Training*
2. USER Implementation GROUP
  - a) *Conduct S&H Compliance Assessment*
  - b) *Meet every other week with up to two representatives per company for 6 month period*
  - c) *Valuable collaboration takes place among participants*
  - d) *Conduct Internal Auditing Training with up to 5 participants per company*
  - e) *Cost is spread out among participants*

## The USER GROUP Schedule 2013:

Date	Location	Topic Covered	Homework
May 17	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>User Group Kick-Off</li> <li>Explanation of meeting format</li> <li>Overview of Mgmt. System</li> <li>Workshop Exercises</li> <li>4.2 Policy</li> </ul>	<ul style="list-style-type: none"> <li>Complete Policy</li> <li>Read sections 4.3, 4.3, 4.3.1 (OHSAS / EMS)</li> </ul>
May 31	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.3 Planning – OHSAS 18001 / ISO 14001</li> <li>4.3.1 Hazard Identification, Risk Assessment and Controls (OHSAS)</li> <li>ISO 14001 : 4.3.1 Environmental Aspects</li> </ul>	Read sections 4.3.2, 4.3.3
June 14	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.3 Planning – OHSAS 18001</li> <li>4.3.2 Legal and Other Requirements</li> <li>4.3.3 Objectives, Target and Program</li> </ul>	Read sections 4.4, 4.4.1, 4.4.2, 4.4.3
June 28	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.4 Implementation</li> <li>4.4.1 Resources, Roles, Responsibility, accountability, and Authority</li> <li>4.4.2 Competence, Training and Awareness</li> <li>4.4.3 Communication, Participation, and Consultation</li> </ul>	Read sections 4.4, 4.4.4, 4.4.5, 4.4.6

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Date	Location	Topic Covered	Homework
July 12	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.4 Implementation</li> <li>4.4.4 Documentation</li> <li>4.4.5 Control of Documents</li> <li>4.4.6 Operational Control</li> </ul>	Read sections 4.4, 4.4.7, 4.5, 4.5.1, 4.5.2
July 26	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.4 Implementation</li> <li>4.4.7 Emergency Preparedness and Response</li> <li>4.5 Checking</li> <li>4.5.1 Performance, Measurement and Monitoring</li> <li>4.5.2 Evaluation of Compliance</li> </ul>	Read sections 4.4, 4.5.3, 4.5.4, 4.5.5
Aug. 9	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.4 Implementation</li> <li>4.5.3 Incident Investigation, Nonconformity, Corrective and Preventive Action</li> <li>4.5.4 Control of Records</li> <li>4.5.5 Internal Audit</li> </ul>	
Aug. 23	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Internal Auditor Training – Day 1</li> <li>Companies can send up to 5 Participants</li> </ul>	
Sept. 13	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Internal Auditor Training – Day 2</li> <li>Companies can send up to 5 Participants</li> </ul>	Read sections 4.6 Conduct Internal Audits
Sept. 20	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Workshop exercises on</li> <li>4.6 Management Review</li> </ul>	
Sept. 27	Trenholm State Community College Building Q	<ul style="list-style-type: none"> <li>Follow-up with Companies</li> </ul>	





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**OHSAS 18001**

OHSAS Implementation Assistance -

- 1. Company by Company assistance**
  - a) Cost Estimate = \$18,000.00 to \$22,000.00 per company*
- 2. USER Implementation GROUP**
  - a) Cost Estimate = \$12,000.00 to \$14,000.00 per company*



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**OHSAS 18001**

**Price  
Reduction  
Opportunities:**

- 1. If the company already has ISO 14001 EMS  
(less time needed for implementation)*
- 2. Grants may be available!  
(first-come first-serve basis)*

**Contact Information:**

<b><u>Chris Anderson</u></b> <b>ATN – Rainsville</b> 256-638-4418 ext. 2264 256-585-0429 (cell) <a href="mailto:canderson@atn.org">canderson@atn.org</a>	<b><u>Robert Tomlinson</u></b> <b>ATN – Muscle Shoals</b> 256-331-5381 256-810-5431 (cell) <a href="mailto:rtomlinson@atn.org">rtomlinson@atn.org</a>
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