

Health & Safety Management Systems

Understanding OHSAS 18001:1999 and ANSI Z-10

by

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In the United States, two safety management systems programs are getting attention and gaining interest: OHSAS 18001:1999 Specification and a Standard-in-the-making i.e. ANSI Z-10.

This session provides the participants with insight to the background, drivers, requirements and where occupational health and safety management systems are heading in the future.

WHAT IS OHSAS 18001?

Internationally recognized model for Occupational Health and Safety Assessment Series (OHSAS) for management systems

Enable organizations to control their OH&S risks and improve their performance

Specification is intended to address occupational health and safety rather than product and services safety

WHY WAS OHSAS DEVELOPED?

- **In response to urgent customer demand for a recognizable occupational health and safety management system standard**
- **Need for health and safety management system that could be audited and certified**

WHERE DID OHSAS COME FROM?

Thirteen co-operating organizations from around the world assisted in development of this series

Spain, Malaysia, United Kingdom and several other European standards organizations

EVOLUTION OF THE OHSAS 18000 SERIES

1992 British Health & Safety Commission publishes management of health and safety at work

1993 British Health and Safety Executive publishes HS(G)65, successful health and safety management

1996 British standard BS 8800 launched, used as model OHSMS

1999 OHSAS 18001 Specification published based on BS8800

2000 OHSAS 18002 Guidelines published to assist in the implementation of OHSAS 18001

OHSAS 18000 SERIES

CONTRACTUAL

- **OHSAS 18001:1999 Occupational Health and Safety Management Systems Specification**

GUIDANCE (no extra 18001 requirements)

- **OHSAS 18002:2000 Occupational Health and Safety Management Systems. Guidelines for the implementation of OHSAS 18001**
- **BS 8800:1996 The British Standard for Occupational Health and Safety Management Systems**

What is OHSAS 18000

Published in April 1999 by British Standards Institution

It is not a formal standard, an official British Standard, nor is it an official International Standard

Not mandatory - voluntary basis

What is OHSAS 18000

**OHSAS 18001 is compatible with:
ISO 9001:1994 (Quality) and ISO
14001:1996 (Environmental)
management systems standards**

**With ISO 9001:2000 based on the ISO
14001:1996 model - Integration of
QEH&S MS is easier**

What is OHSAS 18000

Applies to general industry and fills gap of health and safety issues not covered by:

Responsible Care (RC), Chemical Plant (PSM) industries or other health and safety programs e.g. ISM Code (Marine Safety)

What is OHSAS 18000

It is an auditable protocol, against which a company's health and safety management system can be assessed

What is OHSAS 18000

It does not state specific OH&S performance criteria

Does not give detailed specifications for design of a management system

What is OHSAS 18000

Intended to address OH&S for employees, temporary employees, contractors, visitors and other personnel on-site

Not intended to cover product and service safety

What is OHSAS 18000

No accreditation scheme based on OHSAS 18001 offered by any national accreditation body e.g. RAB, UKAS, RvA, etc.

Certification bodies can only issue non-accredited certificates for OHSAS 18001

e.g. Certificate of Conformance

OHSAS ELEMENTS

OH&S management system elements:

4.1 General requirements

4.2 OH&S policy & commitment

4.3 Planning

4.3.1 Hazard identification, risk assessment/control

4.3.2 Legal and other requirements

4.3.3 Objectives

4.3.4 OH&S management program(s)

OHSAS ELEMENTS

4.4 Implementation and operation

4.4.1 Structure and responsibility

4.4.2 Training, awareness and competence

4.4.3 Consultation and communication

4.4.4 Documentation

4.4.5 Document and data control

4.4.6 Operational control

4.4.7 Emergency preparedness and response

OHSAS ELEMENTS

4.5 Checking and corrective action

4.5.1 Performance measurement and monitoring

4.5.2 Accidents, incidents, non-conformances and corrective and preventive action

4.5.3 Records and records management

4.5.4 Audit

4.6 Management review

WHAT DOES OHSAS REQUIRE?

- **A Health and Safety Management System must be established and maintained**
- **Instructions and procedures to ensure the health and safety of all personnel in compliance with relevant national and international regulations**

WHAT DOES OHSAS REQUIRE?

- **Defined levels of authority and lines of communication between, and among, company personnel**
- **The Health and Safety Management System must be monitored by your own internal audit system**

WHAT DOES OHSAS REQUIRE?

- **Accidents & nonconformities are reported and corrective actions taken**
- **Part of planning must include hazard identification, risk assessment and risk control**

WHAT DOES OHSAS REQUIRE?

Management review

Management commitment

Continual improvement

**WHAT OHSAS 18001 ELEMENTS
DOES YOUR ORGANIZATION
ALREADY HAVE?**

OHSAS External Drivers

General Dynamics

BMW

U.S. Government (29 CFR 1900.1)

OHSAS Internal Drivers

- **Helps track and satisfy regulatory requirements**
- **Establishes a framework to move beyond compliance**

OHSAS Companies

- **Snap-On Tool – Kenosha, Wisconsin**
- **Compaq - Fremont, CA / Galway, Ireland / Erskine, Scotland**
- **Alcan Cable – Williamsport, PA**
- **Rockwell Automation**
- **Pratt & Whitney**
- **Seagate – China, Malaysia, Northern Ireland, Singapore, Thailand, USA**
- **Honeywell Control Systems – Bracknell, UK**
- **Hanjin Shipping – Korea**
- **Samsung Heavy Industries – Koje Island, Korea**

OHSAS 18001 Benefits

EHS managers can't be every place at the same time -

Provides tools to ensure health & safety is everyone's responsibility

Integrate health and safety into all aspects of your business

OHSAS 18001 Benefits

**Effective safety and health programs
earn positive returns on their health and
safety investment by:**

**Reducing work-related accidents and ill-
health and the costs associated with
them**

OHSAS 18001 Benefits

Improving performance through heightened employee morale and adherence to policies and procedures

Reinforcing a responsible and well-managed reputation with customers, stakeholders, and communities

OHSAS 18001 Benefits

OHSAS 18001 provides a structure to incorporate health and safety into the business

Includes health and safety impacts as part of the business process and planning activities and achieving the goal of an accident-free workplace

ANSI Z10 vs. 18001

■ ANSI Z10

- Will be a USA national standard in 2004
- Developed in open, transparent process (mfg., labor, insurance, 'chamber', etc)
- See www.aiha.org for more detail

■ BSI 18001

- Not a standard, even in UK
- Developed by 10 CRBs and BSI, NSAI, and SABS
- BSI and NSAI are also CRBs
- Revised and adopted as standard by some countries (Australia, China, Israel, ...)

ANSI Z-10 Occupational Health and Safety Management Systems

- **Establish a policy**
- **Assign Responsibility**
- **Employee Involvement**
- **Planning Assessment Process**
- **Establish Objectives and Action Plans**
- **Implement Processes**
- **Monitoring and Measurement**
- **Management Review**

Z10 Sections

- **3 Management Leadership and Employee Participation**
 - **Management Leadership**
 - **OHS Management System**
 - **Policy**
 - **Responsibility and Authority**
 - **Employee Participation**

Z10 Sections

- **4 Planning**
 - **Initial and ongoing review**
 - **Initial review**
 - **Ongoing review**
 - **Assessment and prioritization**
 - **Objectives**
 - **Implementation plans and Allocation of resources**

Z10 Sections

- **5 Implementation of the OHSMS**
 - **Operational elements**
 - **Hierarchy of controls**
 - **Design review & management of change**
 - **Procurement**
 - **Contractors**
 - **Emergency preparedness**
 - **Education, training and awareness**
 - **Communication**
 - **Document and record control**

Z10 Sections

- **6 Evaluation and corrective action**
 - **Monitoring and measurement**
 - **Audits**
 - **Incident investigation**
 - **Corrective and preventive actions**
 - **Feedback to the planning process**

Z10 Sections

- **7 Management review**
 - **Management review process**
 - **Management review outcomes and follow-up**

Z10 Sections

- **Annexes**
 - Multiple examples of “how”

- **Helpful hints**
 - ‘Right-side’ explanatory comments in document
 - Two columns (left is requirements)

Summary

- Some variation, mostly due to subject matter
- Requirements from one standard would not harm other standard's requirements
- Integration of ISO 14001 and Z10 standards CAN occur and should certainly be encouraged

Additional information

- Visit www.aiha.org and click on 'committees / Z10' for more info
- Z10 document available for public comment late summer 2004
- Unlike OHSAS 18001, Z10 was developed in open, transparent, and consensus-based manner as required of "standards"

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**Protecting Health and the
Environment is Everyone's Job,**



Health & Safety Management Systems

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