

ANSI/AIHA Z10  
AMERICAN NATIONAL STANDARD ON  
OCCUPATIONAL HEALTH AND SAFETY  
MANAGEMENT SYSTEMS

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## Outline

Offshore Safety Case & OHS Management  
Systems

ANSI/AIHA Z10 Overview and Proposed  
Changes

# Offshore Safety Case and OHSMS

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- OHSMS is an essential component of Offshore SC
- Current status
  - ▣ SEMS implementation voluntary
  - ▣ 60/130 Operators without SEMS (BOEMRE, 2009)
  - ▣ API RP 75 SEMP preferred choice
  - ▣ Proposed Rule 9/09 – 4 elements SEMS required
- Final rule: full SEMP?
- Various OHSMS standards available

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# ANSI/AIHA Z10

American National Standard on Occupational  
Health and Safety Management Systems

# Z10 Scope

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- ❑ National, consensus standard on OHS management
- ❑ Defines minimum requirements for OSHMS
- ❑ Focus on principles....not on detailed specifications
- ❑ Processes interrelated for continual improvement
- ❑ Applicable to all sizes and types of business
- ❑ Compatible with int'l standards and principles in common use in the US.
- ❑ **Integrate OH&S management into overall business Management systems**

# Z10 Stakeholders

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- Industry
- Labor
- Government
- Professional Organizations
- General Interest Participants

# Z10 Elements

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1. Management Leadership & Employee Participation
2. Planning
3. Implementation and Operation
4. Evaluation and Corrective Action
5. Management Review

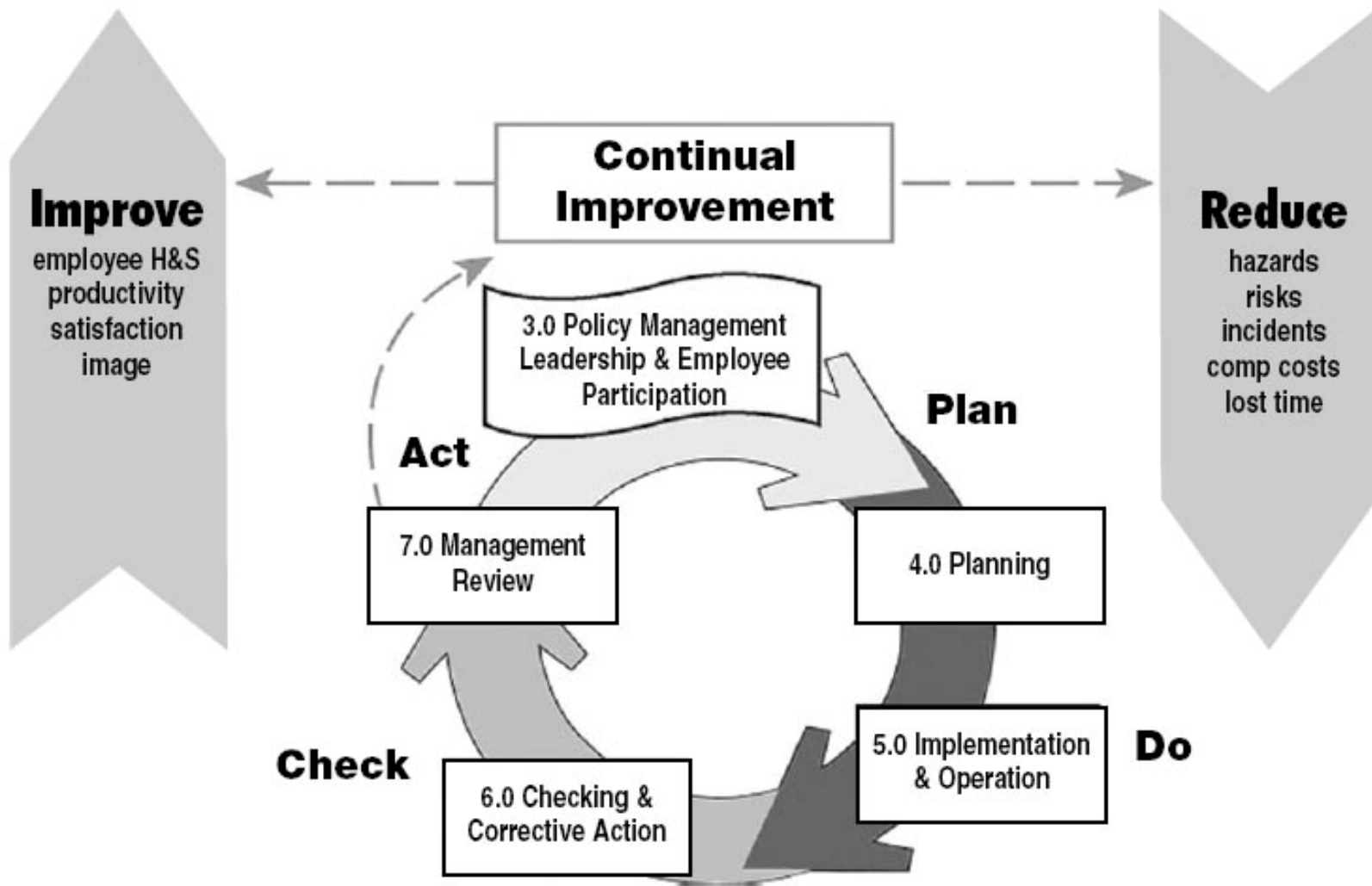


Figure 2 — OHSMS Cycle

# Management Leadership & Employee Participation

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## 3.1 Management Leadership

3.1.1 OHS Management System

3.1.2 Policy

3.1.3 Responsibility and Authority

## 3.2 Employee Participation

# Planning

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## 4.1 Initial and Ongoing Reviews

### 4.1.1 Initial Review

### 4.1.2 Ongoing Review

## 4.2 Assessment and Prioritization

## 4.3 Objectives

## 4.4 Implementation Plans and Allocation of Resources

# Implementation and Operation

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## 5.1 OHSMS Operational Elements

5.1.1 Hierarchy of Controls

5.1.2 Design Review and Management of Change

5.1.3 Procurement

5.1.4 Contractors

5.1.5 Emergency Preparedness

# Evaluation and Corrective Action

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6.1 Monitoring and Measurement

6.2 Incident Investigation

6.3 Audits

6.4 Corrective and Preventive Actions

6.5 Feedback to the Planning Process

# Management Review

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7.1 Management Review Process

7.2 Management Review Outcomes and Follow Up

# Appendices

- A: Policy Statements
- B: Roles and Responsibilities
- C: Employee Participation
- D: Initial/Ongoing Review
- E: Assessment and Prioritization
- F: Objectives/Implementation Plans
- G: Hierarchy of Control
- H: Incident Investigation Guidelines
- I: Audit
- J: Management Review Process

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# Z10 Revision Update

Comments accepted from Round 1

Companions/Implementation Manual

Revision schedule

# Accepted Revisions

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- ❑ Greater employee involvement in OHSMS processes
- ❑ Performance incentives tied to OHS policy, objectives, and goals
- ❑ Training improvements
- ❑ Greater consideration of ergonomics
- ❑ Focus on hazard elimination during design
- ❑ Risk management improvements

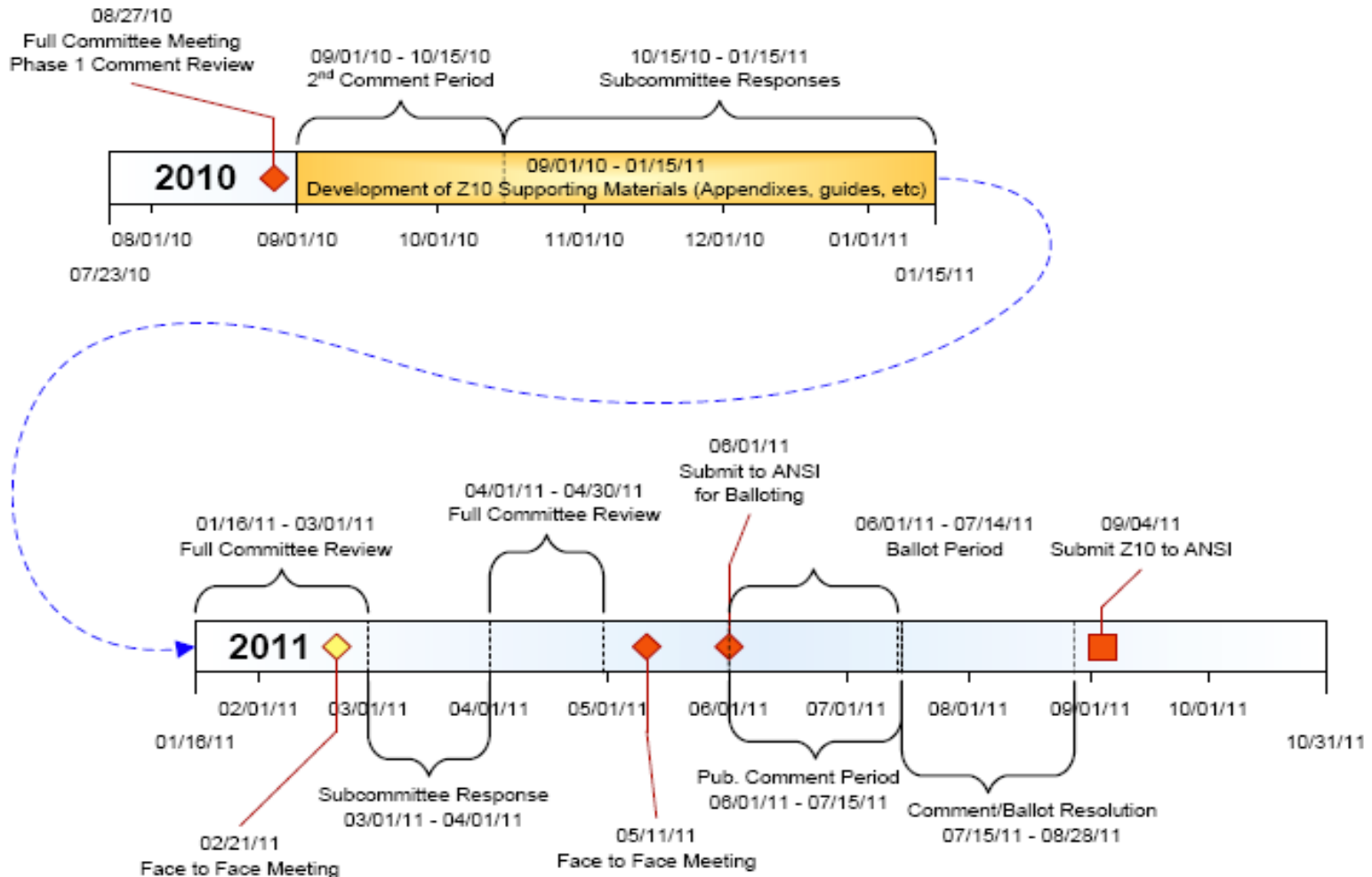
# Z10 Implementation Manual

## (proposed topics)

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- Implementation for small business
- Implementation – Where to begin?
- Preparing for Implementation
- Applying the Hierarchy of Controls
- Selecting an Appropriate Risk Assessment Process
- Implementing a Procurement System
- Contractor Safety – Essential System Elements
- Corrective and Preventive Action – an essential element of continuous improvement
- Management of Change
- Design Review
- Accredited certification and registration of ANSI/AIHA Z10
- Integrating the OHSMS Into Your Organization's Other Systems
- Case Studies
- OHSMS and Dr. Deming's 14 Points
- Management Review
- Best Practices Implementing an OHSMS
- Bibliography and References

# Z10 Revision Timeline



# Z10 Compatibility with SEMP

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## ANSI/AIHA Z10

1. Management Leadership & Employee Participation
2. Planning
3. Implementation & Operations
4. Evaluation & Corrective Action
5. Management Review

ANSI Z10 SPE GCS 9/16/10

## API RP 75 SEMP

1. General (Leadership & Commitment)
2. Safety & Environmental Information
3. Hazard Analyses
4. Management of Change
5. Operating Procedures
6. Safe Work Practices
7. Training
8. Assurance of Quality & Mech. Integrity of Critical Equipment
9. Pre-Startup Review
10. Emergency Response & Control
11. Investigation of Incidents
12. Audit of SEMP Elements
13. Documentation and Recordkeeping

# ANSI Z10/API RP 75

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## ANSI/AIHA Z10

- ❑ Consensus standard
- ❑ Voluntary
- ❑ OHS management system framework
- ❑ Universal application – all facilities and services (think contractors)
- ❑ Performance-based
- ❑ Compatible with int'l standards (ISO 9k, 14k, OHSAS 18k)
- ❑ Suitable framework for SEMP

## API RP 75 SEMP

- ❑ Offshore industry standard
- ❑ Mandatory, pending BOEMRE rule
- ❑ Set of HSE management programs
- ❑ Specific to offshore drilling, servicing, production, pipeline facilities
- ❑ Largely performance-based; references other API standards
- ❑ Compatible with int'l standards under mgt framework umbrella

# Z10 Summary

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- ❑ A model OHSMS framework
- ❑ Can be integrated with other management systems
- ❑ API-endorsed
- ❑ Compatible with Offshore Safety Case development