



# INTEGRATED QHSE MANAGEMENT SYSTEMS

NPC TRAINING PROGRAM

STUDENT HANDOUT



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# INTRODUCTION

## *Course Objective*

### **The objectives for this course are to:**

- Discuss where Management System Standards came from;
- Present the benefits and challenges of integration;
- Review S.E.A.L. International Integrated QHSE Management System elements in the context of integration; and
- Discuss the application opportunities of the S.E.A.L. International Integrated QHSE Management System to the National Petroleum Company of Iran.

# WHERE DID MANAGEMENT SYSTEM STANDARDS COME FROM?

## *Case Studies*

- The case studies discussed in this section are intended to guide an exploration of where quality, health and safety and environmental management system standards came from and to demonstrate various approaches to development and implementation;
- This discussion is also intended to explain how the elements in the S.E.A.L. International Integrated QHSE Management System were chosen and developed.

### **Case Study #1 - Jolu Gold Mine:**

- Context
- Environmental management system model

### **Case Study #2 – Palliser Lumber:**

- Classic ISO 14000 system

### **Case Study #3 – Alpac Forest Products:**

- Advanced management systems

# MANAGEMENT SYSTEM INTEGRATION

## *History, Benefits and Challenges*

### **Alignment of ISO 14001 and ISO 9000-2000:**

- When ISO 14001 was developed, consideration was given to the potential for integration with ISO 9001-1994.

### **Integration of ISO 14001 and “ISO 18000”:**

- Health and Safety standards were designed which were fully integratable with Environment, because the nature of the two disciplines is so similar, but there are still differences in how professionals from the two disciplines approach management.

### **Benefits of Integration:**

- More effective and efficient elements.

### **Challenges to Integration:**

- What doesn't integrate well

# S.E.A.L. INTERNATIONAL INTEGRATED QHSE MANAGEMENT SYSTEM ELEMENTS

## *Element by Element Review*

### **Degree of integration:**

- To what extent do quality, health and safety and environment integrate in each element.
- What are some of the key factors that affect integration

# **S.E.A.L. INTERNATIONAL INTEGRATED QHSE MANAGEMENT SYSTEM AND THE NPC**

*Discussion: What are the Potential Applications*