



# 2012 NOIA Fall Meeting

## An Up-Date on COS Center for Offshore Safety

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Executive Director  
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## Our Mission...

**Promote the highest level of safety for offshore drilling, completions, and operations by:**

- **effective leadership,**
- **communication,**
- **teamwork,**
- **safety management systems**
- **independent 3rd-party auditing & certification.**



# Current Governing Board

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## Operators

- Anadarko
- BP
- Chevron
- ConocoPhillips
- ExxonMobil
- Shell
- Statoil
- Stone Energy
- Total
- Vacant

## Rig Contractors

- Diamond Offshore
- Ensco
- Noble
- Transocean
- Vacant

## Service/Supply Contractors

- Baker Hughes
- Halliburton
- Oceaneering
- Schlumberger
- Vacant

## Trade Associations

- IADC
- NOIA
- PESA

## COS Executive Director

# Safety & Environmental Management Systems

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## What are the elements of SEMS?

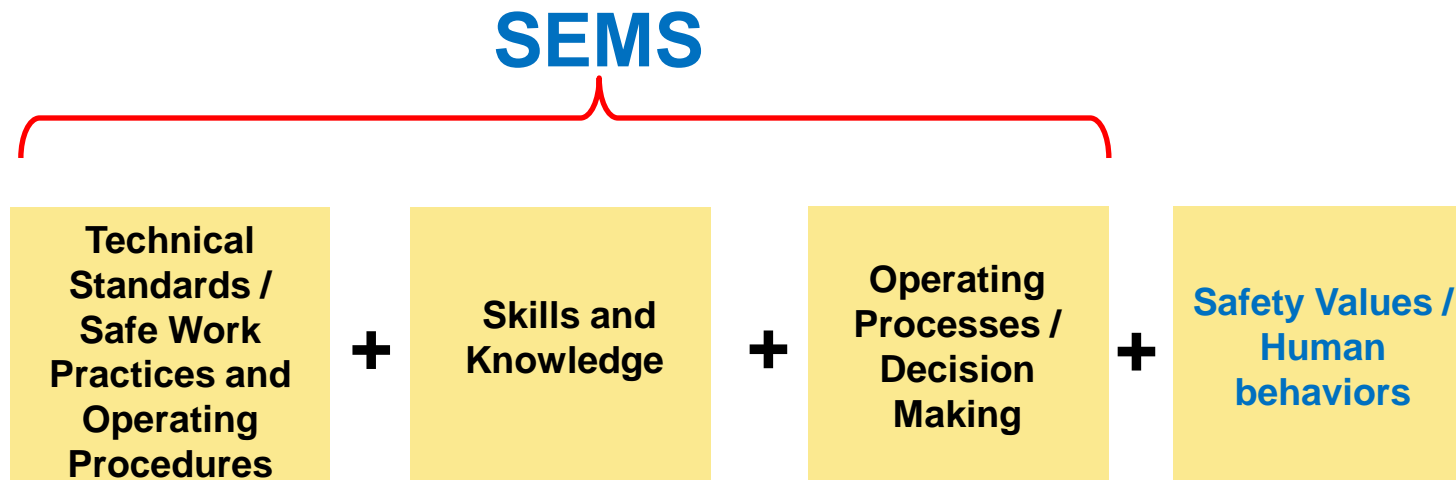
<b>Leadership</b>	<b>Mechanical Integrity</b>
<b>Safety and Environmental Information</b>	<b>Pre-Start-Up Review</b>
<b>Hazard Analysis</b>	<b>Emergency Response and Control</b>
<b>Management of Change</b>	<b>Incident Investigation</b>
<b>Operating Procedures</b>	<b>Audit</b>
<b>Safe Work Practices</b>	<b>Records and Documentation</b>
<b>Training</b>	

# SEMS Purpose

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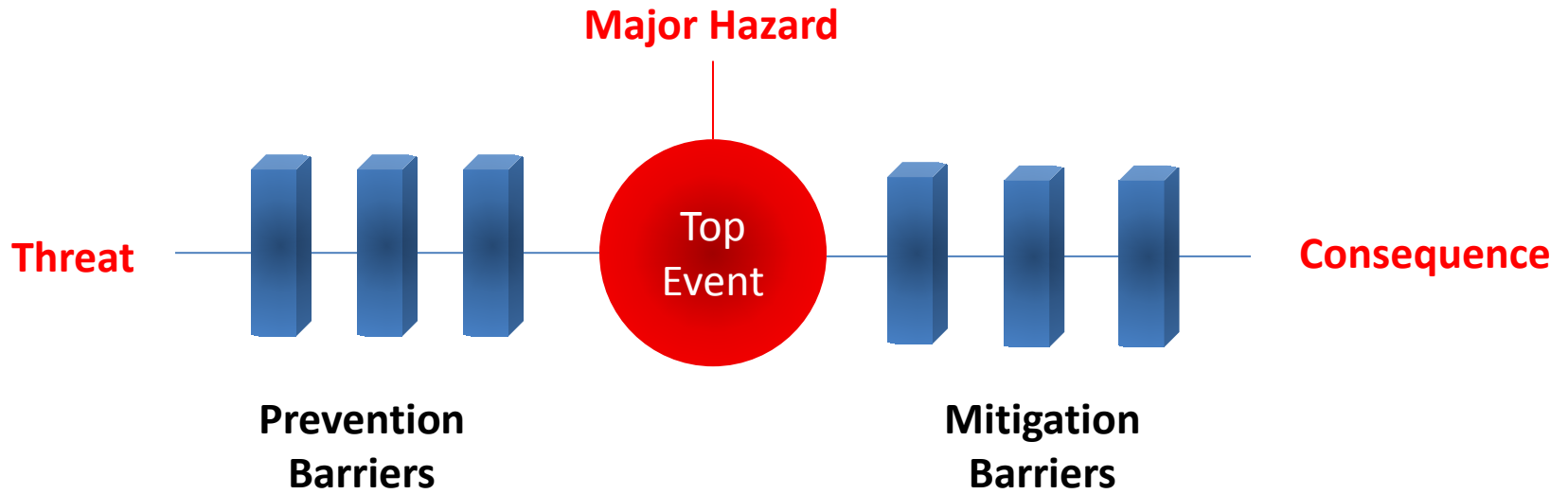
**Goal: Safe & Reliable Operations / Operational Integrity**

**SEMS is a key mechanism to reduce the likelihood of major incidents**

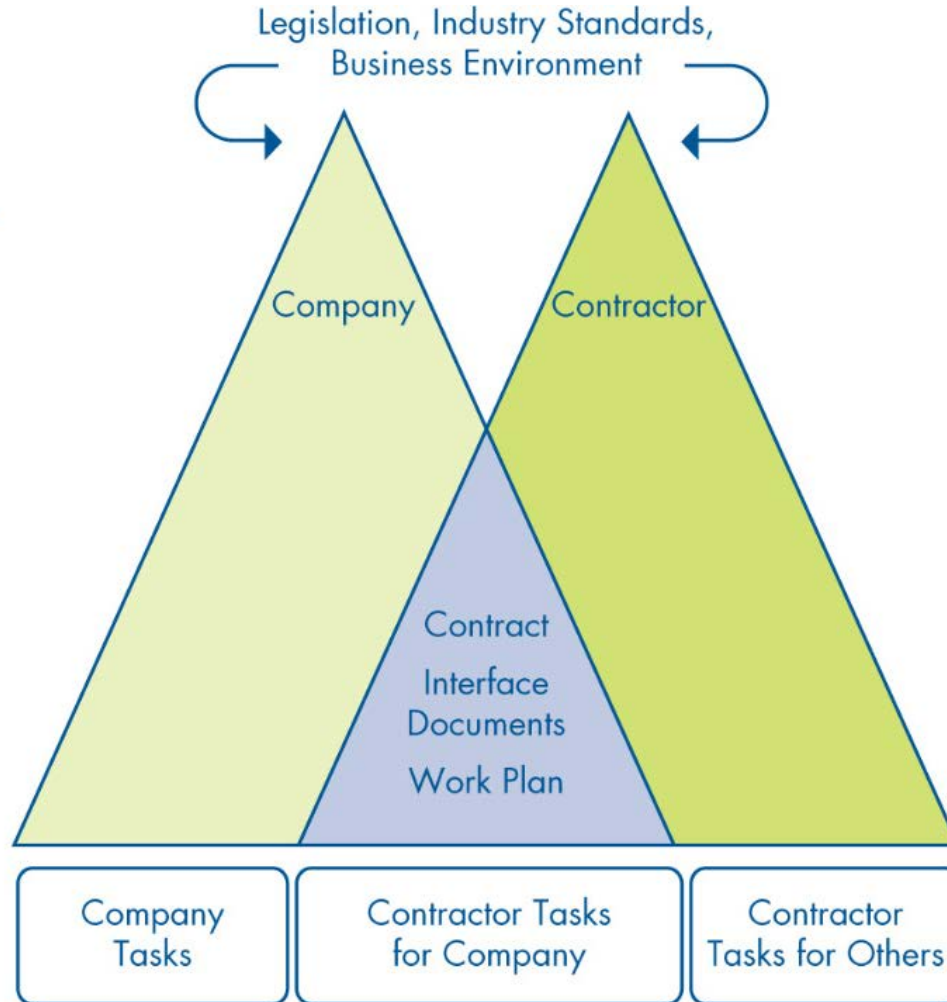


# Bow Tie Approach

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# Operator / Contractor Interfaces



- **Data Collection, Analysis and Reporting**
  - Industry information
  - Lessons from major and high potential severity incidents
  - Safety performance indicators
  - Identify opportunities for improvement
- **Assistance**
  - *Create good practices*
  - Assist companies with COS programs
  - Continuously improve safety performance and safety culture
  - Improve and sustain industry skills and knowledge
- **Outreach & Communication**
  - Annual Safety Forum
  - Workshops
  - Meetings (including key stakeholder interface)
  - Publications
- **Accreditation and Certification**
  - SEMS Audits
    - Audit standards
    - Accreditation of Audit Service Providers



- ***Audit Protocol Checklist***
- ***Compliance Readiness Worksheet***
- ***Operator-Contractor Letter Templates***
- ***Audit Guidance Document***

# SEMS Audit Protocol Checklist



- 13 sections that corresponds with API RP 75 & 30 CFR 250 – Subpart S (SEMS)

	Audit Question	Has a management representative been appointed that is responsible for establishing, implementing and maintaining the SEMS?
5	<p align="center"><b>§250.1909(b)</b></p>	<p><i>[Specifically you, through your management, must:]</i>  <b>(b) Appoint management representatives who are responsible for establishing, implementing and maintaining an effective SEMS program.</b></p>
	<p align="center"><b>RP 75 1-1.2.2(c)</b></p>	<p><i>[This recommended practice is based on the following principles:]</i>  <b>c. Management appoints specific representatives who will be responsible for establishing, implementing and maintaining the safety and environmental management program.</b></p>

# Accreditation & Certification

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- **COS-2-01 Qualification & Competence Requirements  
Audit Leads & Auditors**
- **COS-2-02 Training Program Requirements for Auditors**
- **COS-2-03 Certification to API RP 75**
- **COS-2-04 Accreditation of Audit Service Providers**
- **COS-2-05 Standardized Audit Report Form**

# COS Activities

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- **Leadership Site Engagement**
- **Safety Performance Indicators**
- **Improving Industry Learning Capability**
- **Verification of Contractor Skills & Knowledge**

# Draft COS SPI Topics

(Oct 9 Selection Process)



SPI Topic #	SPI Topic	Comments
1	Major Incidents	Potential to Create and second level of incident SPI to cover 'non-major' Incidents Like Loss of Station Keeping and Lifting Failures
2	Critical Equipment Failures	Will Address Well Containment and Well Control Barrier Failures
3	Process Deviation	Covers Overpressuring, Operating Outside Accepted Envelope
4	Well Kicks	Will Address Response Time to Well Kicks
5	Safe Systems of Work	
6	Maintenance	Covering Critical Equipment
7	Skills and Knowledge	Obtain Indicators from VCSK Committee
8	Emergency Response	Covering Drills
9	Management of Change	May Address Critical Equipment Availability
10	Non-Compliance	
11	Action Closure	Will Have a Narrow Scope
12	Leadership Site Engagements	

**SPI Publication**  
**Part 1 – Practice**  
**Part 2a – SPIs**  
**Part 2b – SPI Collect**  
**Part 2c – SPI Analysis**  
**Part 2d – SPI Rptg**

## Verification of Contractor Skills and Knowledge (VCSK)

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### Problem

- Lack of blueprint to meet contractor skills & knowledge requirement
- Divergent approaches
- Burden on contracts

### Opportunity - Standard solution

### Elements

- Industry standard
  - competences by specific role
  - training by role
  - verification process/tool
- COS as a “certification body”
- Expansion beyond VCSK

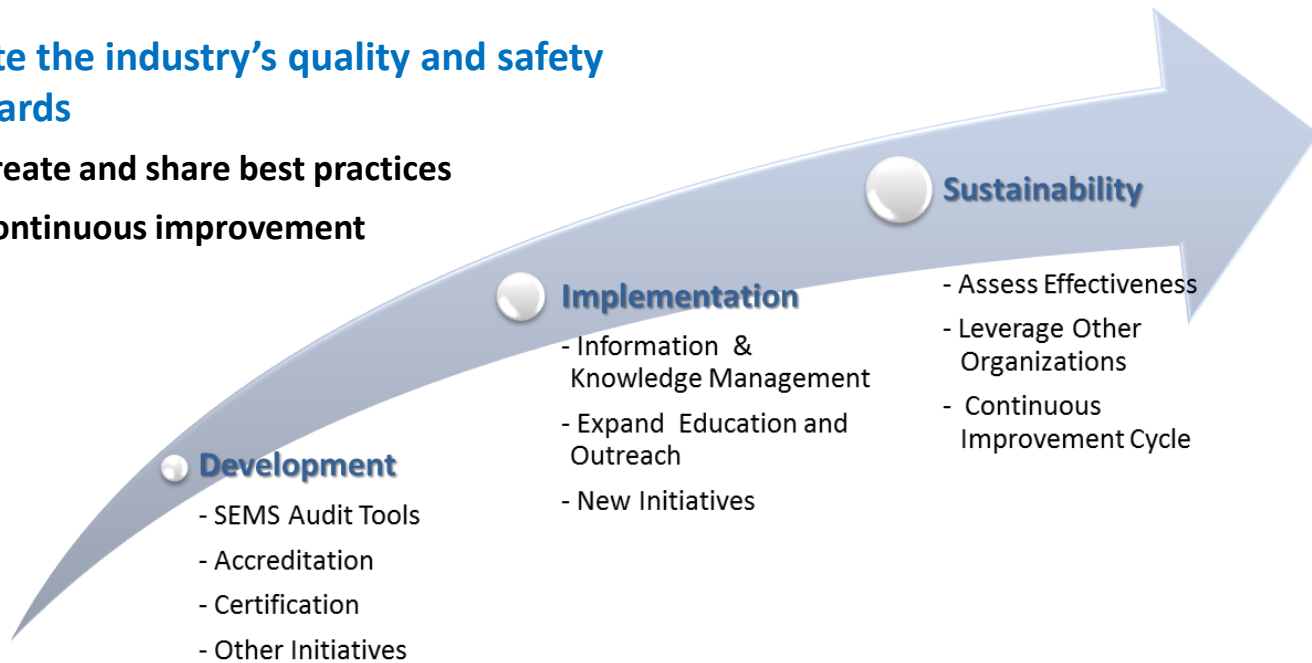
# COS Vision & Path Forward



- **One-stop central source for:**
  - **Information & knowledge**
  - **Audit accreditation**
  - **Program certification**
  - **Tools and technical assistance**
- **Promote an industry culture of incident-free operations**
  - **Process safety in addition to personal safety**
  - **Emphasis on behavior**
  - **No harm to people, no harm to environment**

- **Elevate the industry's quality and safety standards**

- **Create and share best practices**
- **Continuous improvement**



# Questions?