

THE CENTER FOR OFFSHORE SAFETY



**SEMS AUDIT &
CERTIFICATIONS**



**GOOD PRACTICE
DEVELOPMENT**



**DATA COLLECTION,
ANALYSIS & REPORTING**



**SHARING INDUSTRY
KNOWLEDGE**



**CENTER FOR
OFFSHORE
SAFETY**

WHO WE ARE

The Center for Offshore Safety (COS) supports companies involved in offshore energy operations to develop, implement, and improve their Safety and Environmental Management Systems (SEMS).

The Center for Offshore Safety was established in 2011 and began providing tools, peer learning opportunities, good practices, and support for companies on the U.S. Outer Continental Shelf. Through SEMS, COS helps the industry meet its safety and sustainability objectives, while enabling the industry to remain a foundational part of our nation's economy.

The work of COS is based on API RP 75, Safety and Environmental Management System for Offshore Operations and Assets. In addition to delivering tools, good practices, and implementation techniques based on API RP 75, COS also collects and publishes safety performance data from its members annually. This important work continues into its second decade and is the basis for COS in supporting the continual improvement in safety and environmental performance systems in offshore operations.

COS coordinates with regulators including the U.S. Coast Guard and the U.S. Bureau of Safety and Environmental Enforcement (BSEE). BSEE regulations require offshore operators to implement SEMS for their operations and have their SEMS audited by an independent accredited auditing firm. The regulation incorporates by reference API RP 75, 3rd Ed. and COS guidance documents.

Major areas of COS activity include:

- 1. SAFETY AND SEMS DATA COLLECTION, ANALYSIS, AND REPORTING**
- 2. GOOD PRACTICE DEVELOPMENT**
- 3. SHARING INDUSTRY KNOWLEDGE**
- 4. SEMS AUDIT PRACTICE AND CERTIFICATES**
- 5. ACCREDITATION OF AUDIT SERVICE PROVIDERS**

DATA COLLECTION ANALYSIS & REPORTING COMMITTEE (DCAR)

The COS uses data, including collected safety and SEMS audit data, to help the offshore industry drive improvements in safety and environmental performance. The COS continues to collect, analyze, and report data through its Safety Performance Indicator (SPI) and Learning from Incidents & Events (LFI) programs, and continually improves the programs through actions approved by the COS Board. The scope of the SPI program is the U.S. Outer Continental Shelf (OCS); the scope of the LFI program focuses on the U.S. OCS but may include learnings from around the world. DCAR collects and analyzes data to prepare the COS annual report, Safety Shares, and recommends actions to the COS Board. It also identifies issues of concern that could be addressed through the development of good practices.

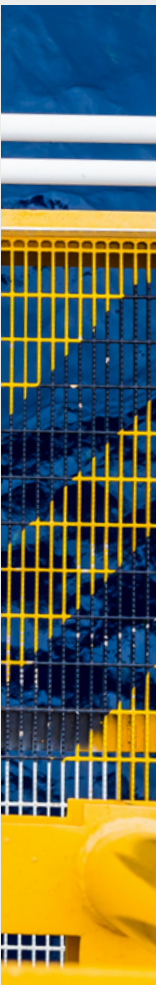


GOOD PRACTICE DEVELOPMENT

Work groups develop good practice documents to address topics of a general nature identified by COS analysis of data or other drivers.

SHARING INDUSTRY KNOWLEDGE PILLAR (SIK)

The subcommittees that fall under the SIK are standing groups that share knowledge with, and facilitate collaboration between, COS members and industry stakeholders. These subcommittees may recommend actions based on data analysis or other drivers. Current COS Subcommittees are Asset Integrity (AISC), Process Safety (PSSC) and Mechanical Lifting (LSC).



AUDITORS AND ACCREDITATION

Qualified, independent Audit Service Providers (ASP) drive continual improvement of safety and environmental performance by auditing companies' SEMS

COS' Accreditation Body (AB) determines whether an ASP is qualified through rigorous examination. The COS conducts office assessments to determine that the ASP's procedures are implemented and performs witness assessments to verify that the ASP is capable of conducting effective SEMS audits. COS then monitors ASP performance through ongoing surveillance. The COS AB operates independent of COS membership and is currently the only BSEE-approved Accreditation Body under 30 CFR 250 Subpart S.

SEMS AUDIT & CERTIFICATE (SAC) COMMITTEE

Collects and assesses audit data, shares audit knowledge, and develops audit good practices and tools.

SEMS CERTIFICATE PROGRAM

COS SEMS Certificates are available to operators, drillers, and contractors that have had their SEMS programs audited according to COS requirements by COS-accredited Audit Service Providers. The ASP then verify that appropriate corrective actions were closed, providing assurance that a SEMS is in place that meets requirements.

COS EVENTS

Annually, COS hosts two main public events: COS Forum and the COS Half-Day at OTC. The COS Forum is held in the fall. The COS Half-Day at OTC, typically held the first full week of May, occurs on the Thursday of OTC. COS also hosts workshops to inform and educate industry and its stakeholders on new good practices and other topics.





OUR MISSION

Promote the highest level of safety for the offshore oil and gas industry through effective leadership, communication, teamwork, use of disciplined management systems and independent third-party auditing and certification.

OUR OPERATING BASIS

The Center for Offshore Safety (COS) serves the U.S. offshore oil and gas industry by supporting the effective implementation of SEMS to drive continual improvement in safe operations. COS is responsible for:

- Focusing its activities in support of advancing safety and environmental performance on the U.S. Outer Continental Shelf (OCS) as its priority, with engagement in other segments and jurisdictions when such engagement supports the COS mission or promotes industry safety.
- Developing good practices for the offshore industry that leverage member experiences and practices and contribute to robust Safety and Environmental Management Systems (SEMS).
- Operating the COS Accreditation Body in conformance with all applicable requirements and regulations.
- Developing, collecting, and analyzing key industry safety and environmental performance indicators, incident and event information, and SEMS audit results to enable systemic learning and benchmarking.
- Coordinating COS sponsored activities to facilitate sharing industry knowledge.
- Identifying and promoting opportunities for industry to continually improve.
- Engaging with government and external stakeholders.



HOW YOU CAN PARTICIPATE

Membership is open to all companies that operate, drill/complete wells or provide support services for drilling, completions and operations on the U.S. OCS. COS members are expected to:

- Embrace the Guiding Principles of the COS
- Participate in COS programs and activities
- Share safety lessons learned with other members of the COS
- Conduct SEMS audits with third-party COS-accredited Audit Service Provider (ASP) and complete appropriate corrective action to earn a COS SEMS Certificate.

COS RESOURCES & PUBLICATIONS

The COS Annual Performance Report (APR)

is the leading safety report for the U.S. OCS Oil & Gas Industry. The COS Member data provided through the Learning from Incidents & Events (LFI) and Safety Performance Indicator (SPI) data programs enable continual improvement of performance-based management systems.

Auditor and Audit Service Provider (ASP)

Documents – COS Auditor Qualification and Training, SEMS Certification, and ASP Accreditation Documents

suite of documents that outline the qualification and training requirements for third-party auditors performing COS SEMS audits, the COS SEMS Certificate requirements, accreditation requirements for ASP performing third-party audits, and COS auditing worksheets and templates (e.g., Audit Plans, Reports and Corrective Action Plans).

COS PUBLICATIONS

COS-1 Series (SEMS Toolkit)

- COS-1-01 COS SEMS II Protocol (Checklist)
- COS-1-03 Operator-Contractor Agreement Letter Templates (1, 2, & 3)
- COS-1-06 Guidance for Developing a SEMS Audit Plan
- COS-1-07 Guidance for Developing a SEMS Corrective Action Plan
- COS-1-08 SEMS Audit Report Format & Guidance
- COS-1-09 Guidance for Conducting SEMS Audits
- COS-1-10 Guidance for Remote Audits

COS-2 Series (SEMS Accreditation Program)

- COS-2-01 Auditor Qualification & Competence Requirements*
- COS-2-02 Training Program Requirements for Auditors
- COS-2-03 Requirements for Third-Party SEMS Auditing, 1st edition*
- COS-2-03 Requirements for Third-Party SEMS Auditing, 2nd edition
- COS-2-04 Requirements for Accreditation of Audit Service Providers Performing SEMS Audits*
- COS-2-05 Requirements for COS SEMS Certificates

COS-3 Series (Good Practices)

- COS-3-01 Guidelines for Leadership Site Engagement, 2nd Edition
- COS-3-02 Skills & Knowledge Management System Guideline
- COS-3-03 Guidelines for SEMS Maturity Self-Assessment
- COS-3-04 Guidelines for a Robust Safety Culture
- COS-3-05 COS/OOC Guidance on SEMS Interface Agreement
- COS-3-06 Guidance for Developing & Managing Procedures
- COS-3-07 Guidance for Developing an Effective Crane Maintenance Tracker
- COS-3-08 Guidance for Verifying Existing Barriers
- COS-3-09 Work Planning Workflow

*Incorporated by reference in 30 CFR 250 Subpart S

To learn more visit: www.centerforoffshoresafety.org

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