



# 4<sup>th</sup> ISO Seminar on International Standardization in the Reliability Technology and Cost Area

**ISO/TC67 Vision: International Standards Used Locally Worldwide**

## Location

Statoil Houston office, 2107 City West Blvd., Houston, Texas, USA

## Date and Time

Friday, May 4, 2018, 0800-1330 hours CDT (advance registration required)

## Seminar Overview

The ISO/Technical Committee 67/Working Group 4 - "Reliability engineering and technology," which is responsible for reliability and cost related ISO standards in the petroleum, petrochemical, and natural gas industries invites to this seminar. The seminar is done in collaboration with ISO/TC67 and IOGP, and Statoil as host. This seminar offers a unique opportunity for these industries and others to learn how existing and new multi-disciplinary international ISO standards are enablers for cost-efficiency, risk reduction, and minimizing carbon footprint. Similar seminars have been held in Brazil, Norway and Netherlands.

The objective of this seminar is to provide an overview and status of standards developed by WG4 and guidance for their practical application. Focus will be given to the following:

- ISO 14224 - Collection and exchange of reliability and maintenance data for equipment
- ISO 20815 - Production assurance and reliability management
- ISO 19008 - Standard cost coding system for gas production and processing facilities

## Target Group

The seminar should be of interest for engineering/technical and information technology personnel in petroleum, petrochemical and natural gas industries, with relevance to operating, contracting and service companies, engineering and construction firms, equipment manufacturers, safety and reliability consultancies, certification bodies, regulatory and safety authorities, research and development, and more. Methods presented are also relevant to chemical processing, utilities transmission and distribution, renewables, or any other asset intensive industries.

## Registration and Coffee

Advance registration is required. Please RSVP by **Thursday, April 19, 2018** to Seminar Chairman Tony Ciliberti (Reliability Dynamics, USA) by email [tciliberti@rd-eam.com](mailto:tciliberti@rd-eam.com), with your name, company affiliation, job title, country, and your telephone number. Please indicate if you will be joining the network lunch. Further practical details (e.g. location details and personal ID needs) will be informed by Thursday, April 26, 2018. **\*\*Late registration is now available; please RSVP by email to [tciliberti@rd-eam.com](mailto:tciliberti@rd-eam.com) by May 2, 2018. \*\***

## Program

0800	Registration and Coffee
Session 1	Management and the standardization approach <ul style="list-style-type: none"> <li>Session leader: Runar Østebø, Statoil, Advisor and ISO/TC67/WG4 Convenor</li> </ul>
0830	<b>Welcome address by Statoil management</b> <ul style="list-style-type: none"> <li>Helge Hove Haldorsen, Vice President, Investor Relations, Statoil</li> </ul>
0840	<b>Keynote speeches</b> <b>ISO/TC67 - International standardization for materials, equipment and offshore structures for the petroleum, petrochemical and natural gas industries</b> <ul style="list-style-type: none"> <li>Cecilie A. Haarseth, Senior Materials &amp; Corrosion Consultant, ExxonMobil Upstream Engineering. Subcommittee Chairman ISO/TC67/SC4 + ISO/TC67 management representative</li> </ul> <b>IOGP Update</b> <ul style="list-style-type: none"> <li>Albert Skiba, Regional Director Americas, IOGP</li> </ul> <b>API and ISO Standards Coordination</b> <ul style="list-style-type: none"> <li>Austin Freeman, BP Technical Authority Well Equipment, Chair for API Committee on Standardization of Oilfield Equipment and Materials</li> </ul>
0915	<b>Updated and latest news from international standardization</b> <ul style="list-style-type: none"> <li>Runar Østebø, Statoil, Advisor and ISO/TC67/WG4 Convenor</li> </ul>
Session 2	The importance of cost management in the oil & gas industry <ul style="list-style-type: none"> <li>Session leader: Francisco Alhanati, C-FER Technologies, Managing Director</li> </ul>
0930	<b>Evaluating the maturity of E&amp;P cost estimates</b> <ul style="list-style-type: none"> <li>Jason Walker, Principal Deputy Director, Research - Independent Project Analysis (IPA)</li> </ul>
1000	Coffee Break
Session 3	Industry application of ISO standards for business value creation <ul style="list-style-type: none"> <li>Tony Ciliberti, Principal Engineer, Reliability Dynamics LLC, Seminar Chairman</li> </ul>
1015	<b>Offshore &amp; onshore reliability data (OREDA®) collection – OREDA JIP status</b> <ul style="list-style-type: none"> <li>Siegfried Eisinger, DNVGL, Norway, OREDA JIP Project Manager and Nicolas Clavé, Total, France, OREDA JIP Steering Committee Chairman</li> </ul>
1045	<b>Practical application of ISO 14224 methods in corporate software</b> <ul style="list-style-type: none"> <li>Tony Ciliberti, Principal Engineer, Reliability Dynamics LLC, ISO TC67/WG4, US Expert Member</li> </ul>
1115	<b>Structured method to collecting equipment data drives consistency in failure reporting, robust analyses</b> <ul style="list-style-type: none"> <li>Ian McWilliams, Director of Reliability, National Oilwell Varco</li> </ul>
1145	<b>Panel session: Practical application of ISO standards in reliability and cost areas</b> <ul style="list-style-type: none"> <li>Panelists: Runar Østebø, Tony Ciliberti, Francisco Alhanati and Ian McWilliams</li> </ul>
1230	Concluding remarks by Seminar Chairman and ISO/TC67/WG4 Convenor
1245	Closure of seminar
1245-1330	Networking lunch, sponsored by <b>NOV and C-FER Technologies</b>

