Multi-disciplinary reliability technology and cost standards for value creation

Project groups: 48 experts from 14 countries organized in 6 project teams (in line with IOGP Standards Solution).

Companies: Oil & energy, drilling & engineering, manufacturers, research institutions, consultancies and regulator.

Meetings: Project teams meet for standards development and revision. Many adoptions: Regionally (e.g. CEN) and nationally.

ISO 14224-Collection and exchange of reliability and maintenance data for equipment (ed.3, 2016)
ISO 20815-Production assurance and reliability management (ed.2, 2018)
ISO/TR 12489-Reliability modelling and calculation of safety systems assurance and reliability management (ed.1, 2015)
ISO 19008-Standard cost coding system for oil and gas production and processing facilities (ed.1, 2016)
ISO/TS 3250-Calculation and reporting of production efficiency in the operating phase (DTS ballot planned to come in mid-2020)

Standardized production efficiency (PE) reporting and production loss categorization will enable improved cost-efficiency and quality.

ISO 15663-Life cycle costing (DIS ed. 2, 2019 approved in Jan 2020. FDIS planned to come in mid-2020)

**PRODUCTION ASSURANCE TERMS**

Up time
Down time
Reliability
Maintainability
Consequence of errors
Consequence for production
Compensation
Volume-based
Production availability
Deliverability

Business opportunities and challenges

- ISO 14224 in digitalization enables safe and reliable operations. Existing and new industrial collaborations are ongoing. See OTC 2019 paper: OTC 29534-MS Optimize Safety and Profitability by Use of the ISO 14224 Standard and Big Data Analytics.
- Cost management requires ISO 19008 standard cost coding and new ISO 15663 will also provide standardized and better economic decision-support when comparing different competing options on a variety of subject matters.
- Interactions between standards development in ISO/TC67 versus ISO/TCs + IEC/TCs (e.g. safety) empower ISO/TC67 portfolio.

Marketing

- 2 Sep 2020 (Stavanger, Norway): ONS/ISO/IOGP Technical session – planning made with ISO/TC67 and IOGP, but depending on Corona COVID-19 pandemic restrictions, the ONS event can be affected. The important industry session has been organized by invited speakers and a panel discussion with management representatives from the SDOs, Operators + Industry.
- 4 Sep 2020: Course - Use of ISO 14224 for optimizing Safety and Profitability in the Oil and Gas Industry – in a digitalized perspective.
- Note that ISO/TR 12489 courses have been held. See also this Information sheet (per 21 March 2019) for ISO/TR 12489:2013.

5th ISO Seminar on International Standardization in the Reliability Technology and Cost Area
ISO/TC67 Vision: International Standards Used Locally Worldwide
Location: Total, Paris, France
Date and Time: May 26-28, 2020, 2-4 p.m. CEST (Delayed due to Corona COVID-19, new date pending)


Further information: See our ISO/TC67/WG4 website.