ISO/TC 67 Plenary
19 & 20 October 2023
Washington/USA

ISO/TC 67/WG4
Reliability engineering and technology
- October 2023 News

Your contacts
WG4 convenor: Runar Østebø – runos@equinor.com
WG4 Secretariat: Standards Norway, Endre Willmann

Multi-disciplinary reliability technology and cost standards for value creation

Project groups: 56 experts from 12 countries organized in 6 project teams (in line with IOGP Standards Solution).

New leadership for ISO 19008 (Andree van der Veen/Norway) and ISO/TR 12489 (Nicolas Berne/France).

Companies: Oil/gas, engineering, manufacturers, research institutions, consultancies and regulator.

Meetings: Project teams for standards development and deployment. Adoptions: Regionally (e.g., CEN) + 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) - Initiated revision via IOGP Standard Solutions

ISO/TR 12489 Reliability modelling and calculation of safety systems assurance and reliability management (ed.1, 2013)

ISO 15663 Life cycle costing (ed.1, Feb 2021)

ISO 19008 Standard cost coding system for oil and gas production and processing facilities (ed.1, 2016) – Initiated revision via IOGP Standard Solutions

ISO/TS 3250 Calculation and reporting of production efficiency in the operating phase (ed. 1, Aug 2021)

Business opportunities and challenges

- Energy transition: The ISO/TC67/WG4 standards portfolio is well suited for the new scope of ISO/TC67 regarding lower carbon energy. Framing of changes/amendments in progress to better cover e.g., wind farms, hydrogen and CCUS. Interpretation of new ISO/TC67 scope, alignment with standards and stakeholders.

- New standards deployment: Information meeting for operators held in Stavanger, 26 April 2023 for ISO/TS 3250 (production efficiency & injection efficiency) to advise potential key use also for CCUS (CO2 injection value chain).


- HSE: Industrial interfaces to share ISO standards benefits and give advice regarding safety instrumented systems (ref. PDS Forum).

- Cost management: Requires ISO 19008 Standard cost coding and ISO 15663 Life cycle costing for standardized decision-support. ISO 19008 now also quoted as regulatory requirement in Guidelines for PDO/PIO (Norwegian Ministry of Petroleum and Energy et al).


University/Academia: Standards applications by Master/PhD students amongst operators, and involvement of the new generation engineers are opportunities also in increasing industry generational changes to ensure energy industry reputation and society focus.

Industry collaboration arena: ISO standards applied in JIPs: Subsea All-Electric, DeepStar and APOS safety equipment.

Technical information: Industrial interface dialogues with IOGP JIP36-CFIHOS (subsea focus) and with IOGP JIP33. Strengthen industry standards awareness and how JIP communities capitalize from standards. Prioritized and balanced collaboration.

Terms and translations:

Further information: See latest updates on ISO/TC67 committee website/WG4 folder.