Multi-disciplinary reliability technology and cost standards for value creation

Project groups: 55 experts from 12 countries organized in 6 project teams (in line with IOGP Standards Solution).

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

Meetings: Project teams meet for standards development and marketing. 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) – Ongoing 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) – Ongoing revision via IOGP Standard Solutions
- ISO/TS 3250 Calculation and reporting of production efficiency in the operating phase (ed. 1, Aug 2021) – Systematic Review, July 2024

Global adoption of ISO/TC67/WG4 standards (per 30 January 2024)

Business opportunities and challenges:

- New standards deployment: Information meeting for operators/lower energy stakeholders for WG4 standards being planned for.
- HSE: Industrial interfaces to share ISO standards benefits and give advice regarding safety instrumented systems (e.g. APOS JIP).

Marketing: ISO 15663 course to be held 19-20 March 2024. New courses for ISO/TC67/WG4 standards portfolio planned for on demand basis, e.g. ISO/TR 12489 course planned for in Sep 2024 and those interested could respond on the link. Experts are encouraged to show business applications to accelerate standards awareness and use, also in SW/databases.

Conferences: 1) OTC 2024 (Houston, USA) - May 2024: “Life Cycle Costing Application in the Energy Sector – Technology Applications” regarding ISO 15663 (OTC-35368-MS), 2) Other ISO 20815 application paper approved for OTC 2024. 3) Abstracts for Rio Oil & Gas (Sep 2024) and ONS August 2024 presentations pending approval. 4) Dissemination plans within each ISO/TC67/WG4 project group.

University/Academia: Standards applications by PhD/PostDoc students amongst operators (e.g. SUBPRO and new SUBPRO-Zero). Involve new generation engineers are opportunities also in increasing industry generational changes to ensure energy industry reputation.

Industry collaboration: ISO/TC67/WG4 standards used in JIPs: DeepStar (OTC 2023) and Subsea All-Electric (OTC 2024). Technical information: Industrial interface dialogues with IOGP JIP36-CFHQS (subsea focus) and with IOGP JIP33. Strengthen industry standards awareness and how JIP communities capitalize from standards. Prioritized and balanced collaboration.


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