

RIG OPERABILITY INSPECTION & SAFETY ACCEPTANCE (ROISA)

Location : El Rehab City

Date : 22 - 26 September 2024

Course Overview:

ROISA program is dealing with the most common equipment deficiencies and recurring problems.

ROISA describes and explains the working principles of major drilling equipment using detailed examples.

ROISA program aims to reduce your business risk and improve the efficiency of your staff and organization due to working on a drilling and workover activities are tough hazardous jobs where safety is a critical issue, also Preventing the occurrence of accidents in drilling and well servicing operations is a constant and major concern for any organization or contractor acting in the upstream business, Analysis of accidents often identifies a number of contributing factors and/or anomalies, among which the equipment related items and its usage play a significant role, This program concentrates on the rig safety process as a concept to determine the appropriate standard rules before operations commence. Rig safety inspections are normally an important part of the drilling safety program.

ROISA program teaches the inspection and maintenance procedures required to ensure equipment integrity. Candidates learn to implement the relevant standards and understand industry requirements so that they can verify the condition of a rig's equipment and improve safety, thus reducing the number of accidents and protecting the assets.

ROISA program objective is both to prevent the occurrence of accidents and to limit their consequences and to minimize nonproductive time linked to equipment failure or people accidents.

ROISA accredited training program is Recommended for all personnel participating in relevant rig operations, it provides a deep explanation for dealing with rig equipment during rig operations, also it identifies appropriate employee behavior while on the rig.

Course Instructor Bio:

ENG. AHMED HAMED

Eng. Ahmed Hamed working as HSE Drilling superintendent and environmental protection department head at Wastani Petroleum Company, he is an authorized trainer for rig inspection training program accredited by IADC, DIT approved also he is OSHA authorized trainer approved from Cincinnati University -USA- for general industry programs. He has worked previously as a deputy operation manager of one of a leading drilling company in IRAQ state, moreover, he worked as drilling HSE consultant and HSE trainer on various drilling, oil & gas companies and various areas in middle east, such as Inspecta Company & Seenopex Company in Der El Zor - Syria. and, TUV Nord Corporation in El Yemen Republic. Also, he worked in the Petroleum Training Center "PTC" in Sudan Republic as an HSE trainer, as HSE consultant in Global Petroleum Services in Qatar in addition to worked with international educational systems company in KSA and Bahrain state. he also worked as HSE drilling superintendent with Dana

Attendees Qualifications:

Upon successful completion of the training program, attendees receive a certificate of completion. This certificate is valid for two years. Attendees who score below 75% on the final exam receive a certificate of attendance.



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Program Objectives

- ▶ Identify all rig operations related hazardous, associated risks and control measures
- ▶ Independently carry out a basic (visual).
- ▶ describe the main inspection criteria for major equipment identify major items that have an impact on the safety and operation of a rig recognize the indicators of the overall.
- ▶ list the relevant standards (such as API) and their implications for drilling equipment understand the basics of ATEX equipment installed in hazardous areas.
- ▶ Evaluate basic maintenance and inspection procedures on the rig to identify compliance with good working practices and industry standards.
- ▶ Understand the basics of well control equipment operation and inspection.

Program Agenda:

DAY ONE:

- ▶ Pre course Exam, Introduction for drilling equipment: Hazard identification and risk management at rig, ATEX systems requirements, DROPS procedures and requirements, Gas detection and training requirements, NDT inspection types and requirements, basics of PMS auditing requirement.

DAY TWO:

- ▶ Crown Block, travelling block sheaves inspection and integrity, draw work, brake systems, deadline anchor, drilling line, Air winches, lifting and handling equipment., tripping tools

DAY THREE:

- ▶ Derrick structure and substructure, Monkey board,stabbing board, Top drive system, rotary table, drill pipes, pipe racks, V-door and cat walk

DAY FOUR:

- ▶ Well control equipment layout, ram type BOPs, annular preventers, gate valves, choke and kill manifold; poor boy degasser BOP HPU, testing procedures and usable fluid calculation.

DAY FIVE:

- ▶ Mud pumps and mud processing equipment, shale shaker, vacuum degasser, Desander Desalter mud cleaner, agitators, Diesel engines and generators. compressors, Electrical equipment. power plant - SCR or VFD, isolation procedures requirements, Rig Move & final exam.

Program References

Reference

- ▶ American Petroleum Institute (API standard)
- ▶ Occupational Health And Safety Association (OSHA General Industries)
- ▶ ASME, NACE. ANSI, CENELEC
- ▶ EGPC Drilling HSE Guideline Rev.1

Recommendation

- ▶ Occupational Health and Safety Association (OSHA)

Duration

- ▶ The basic training program is conducted over Five days. Additional modules and workshops may be added to the ROISA program to further develop attendees' knowledge in specific areas this program can be created for individual companies.

Who Should Attend?

- ▶ drilling supervisors and engineers, drilling managers, HSE managers, rig managers, maintenance supervisors, Senior and night tool pushers, Rig crew – Drillers, assistant driller, Derrick man, floor men and Maintenance team mechanics and electricians.

Structure:

- ▶ ROISA consists of Five days of interactive classroom sessions with appropriate time for group participation and discussion. workshops Additionally, we provide the candidates with the following:
- ▶ Detailed Checklist format for major equipment to assist with correct maintenance and inspections
- ▶ various Examples of safe and unsafe practices, including photos and videos
- ▶ ROISA manual

For More Information & Registration:

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