

**DRILLING, WELLS AND RESERVOIR ENGINEERING**

Drilling Rig Equipment, Inspection and Acceptance

5 day course

Classroom, online or in-house

Course overview

A rig that arrives on contract with a worn crown block, an untested accumulator or an overdue derrick survey can stand idle for weeks while the operator pays mobilisation and the contractor disputes the rate. Rig acceptance exists to catch that before the spud date. Delegates study each system in turn: derrick or mast, drawworks and hoisting line, top drive and rotary, mud pumps and high pressure lines, power generation, pipe handling and the BOP and well control package. For each they learn what to look for, which records to demand and which standards apply, including API RP 4G, Spec 8C, RP 7L and API Standard 53. Slip and cut programmes, dropped object surveys and lifting gear registers are included. Delegates leave able to plan and run a rig audit and close out its findings.

What you will learn

- Describe the function and failure modes of each major rig system
- Plan a rig acceptance audit scope and schedule
- Inspect derrick, mast and substructure against API RP 4G practice
- Assess drawworks, drilling line and slip and cut records
- Verify mud pump, high pressure line and top drive condition
- Review BOP and accumulator testing and maintenance records
- Apply dropped object and lifting equipment controls
- Grade audit findings and agree a close out plan with the contractor

Who should attend

- Rig inspection and audit engineers
- Drilling superintendents and company representatives
- Rig maintenance supervisors and chief mechanics
- Drilling contract and asset managers
- Electrical and mechanical rig superintendents

Course outline

- 01 Purpose and structure of rig acceptance
- 02 Derrick, mast and substructure
- 03 Hoisting system and drilling line
- 04 Top drive, rotary and pipe handling
- 05 Mud pumps and high pressure circulating system
- 06 Power generation and electrical systems
- 07 BOP, accumulator and choke manifold
- 08 Dropped objects and lifting equipment
- 09 Audit reporting and close out

Upcoming dates



Dates	Venue	Format	Fee per delegate
21 to 25 December 2026	Online	Online	R8,500
28 December 2026 to 1 January 2027	Johannesburg, South Africa	Classroom	R19,950
18 to 22 January 2027	Cape Town, South Africa	Classroom	R19,950
15 to 19 March 2027	Nairobi, Kenya	Classroom	USD 1,325

Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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