



RAIL MAINTENANCE TRAINING AT CLIENTS PREMISES



Transport Education Training Authority

Heart of Skills Innovation



SERVICES OFFERED

R&H Rail offer accredited training programmes and industry specific courses to public rail transport (including freight and passenger transport), private sidings, mining operations and port operations.

We offer the following;

LOCO DRIVER, TRAIN ASSISTANT, SHUNTER, ROLLING STOCK, OVERHEAD ELECTRICAL AND TRACK MAINTENANCE STAFF TRAINING

Our training ensures that once a learner is certified as competent, the learner will be able to move rail vehicles from one point to another safely, on rail under specific conditions and within defined working environments

- Demonstrate understanding of brake systems and brake tests / knowledge of train operating systems
- Operate a train equipped with a pneumatic controlled air brake system / vacuum brake system
- Operate diesel electric locomotive class GM/GE including all upgrades
- Operate a diesel locomotive
- Compile a train / dispatch a train / prepare a locomotive for service
- Explain the topographical concepts of a trajectory within the rail environment
- Shunting Operations
- Utilize a radio train token system of train control for safe movement on rail
- Operate electric locomotive class 5E1 / series 6E including all upgrades
- Operate near and underneath high voltage equipment
- Operate electric locomotive series 6E including all upgrades



SIMULATED TRAIN HANDLING AND AIR BRAKE TRAINING

- Train Handling Skills
- Train Brake Systems
- Train Dynamics
- Locomotive Failures

RAIL CONSTRUCTION AND TRACK MAINTENANCE STAFF TRAINING: TRACKMASTERS, TRACKMEN, FLAGMEN, PATROLMEN ETC

Our training ensures competent performance in railway track construction and maintenance, thereby enhancing safety and reliability in the field of civil engineering construction and maintenance:

- Maintain clearances, safety devices and markers to ensure a safe rail environment
- Afford on track protection
- Build a standard rail turnout
- Construct a railway line
- De-stress rails
- Maintain rail turnouts and turnout components
- Rail maintenance
- Measure track geometry in order to determine track condition
- Restore track alignment
- Demonstrate an understanding of materials and components used in rail construction and maintenance
- Install and maintain trackside lubricators
- Maintain associated works
- Maintain ballast / sleepers
- Select, use and maintain per way tools and equipment



TRACK WELDING TRAINING

- Operate hydraulic rail shearing machine / petrol-air pre-heating machine / rail disc cutting machine / rail grinding machine
- Repair battered rail ends
- Weld wheel spin burns
- Join rails by means of the exothermic welding process
- Repair rail manufactured frogs / 14% cast manganese frogs / points blades / rail bound frogs

SAFETY AND COMPLIANCE TRAINING ACCORDING TO RSR (ACT 16 OF 2002) REQUIREMENTS

- Introductory course in Railway Safety Management
- Requirements for Temporary Safety Permits
- Construction Train Safety Permit
- Test and Commissioning Safety Permit
- Safety Permit
- Annual Safety Improvement Plan
- SANS 3000 Standards

RAILWAY SIGNALLING ENVIRONMENT, EFFECTIVE FAULT FINDING AND REPAIR OF RAILWAY SIGNALLING EQUIPMENT TRAINING

The training will prepare the learner to progress through learning in the railway signalling environment to a qualification in the safe and effective fault finding and repair of railway signalling equipment

- Perform corrective preventative maintenance on an apparatus case / railway track circuit / electrical railway signals / electrical points / axle counter / flashlight and boom level crossing warning systems
- Understand basic electronic theory and components
- Perform fault finding and repairs on railway track circuits / electrical railway signals / electrical railway signalling cables / electrical points / flashlight and boom level crossing warning systems
- Understand basic electrical and mechanical engineering principles

OVERHEAD ELECTRICAL TRAINING PROGRAMMES

- OHE Awareness training

TRAINING PROJECTS COMPLETED WITH CLIENTS

- Xstrata Coal SA- Refresher training on all sites for locomotive and shunter operations
- Lafarge Cement SA, Lichtenburg – New loco drivers and shunter training
- Lafarge Cement SA, Lichtenburg – Refresher training – locomotive operators
- South 32 – Driver and shunter training
- Kumba Iron Ore– Loco driver and shunter training
- Transnet Capital Projects – Trackmasters
- Aveng Rail – Trackmasters
- Walter Sisulu University – Trackmasters
- Botswana Railways – Assessment of perway personnel training needs
- PMC – Driver and shunter training
- SAFlog – Trackmaster Learnership program

Provider No.
TETA07-149

Accreditations
R&H Rail is ISO 9001:2015 certified. It is a member of Consulting Engineers South Africa (CESA) and is accredited by TETA under the authority of SAQA.