

TRAINING DIVISION PROSPECTUS 2007

Fire Raiders (Pty) Ltd



Rising to the challenge

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FIRE RAIDERS (PTY) LTD



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1. COMPANY PROFILE

The company Fire Raiders is registered in terms of the Companies Act 1973 (Section 64). Registration number 2000/031783/07 and VAT Ref 9151/193/14/2 P.

The core business of this company is to provide a turnkey service in all aspects of Emergency service requirements, from the provision of all types of vehicles, apparatus and equipment as well as training and consultation services in the vast field of emergency operations.

Training Division is a Department at Fire Raiders, concentrating purely on training and is staffed by highly qualified instructors in the field of emergency services. Some of these instructors still serve as full time professionals in existing services from the larger local authorities.

Training is not limited to the internal borders of the Republic of South Africa, but is offered any place on the African continent or beyond.

Some of the external Countries that have already made use of the services of this company with positive feedback are:

1. Botswana
2. Angola
3. Seychelles
4. Nigeria
5. Tanzania
6. Philippines
7. Indonesia
8. Kenya

We are also competent to conduct surveys of existing or planned emergency services, with this service having been provided to the Government of Mozambique, the Provincial Administration, Local Authorities and various private entities.

1.1 ABOUT FIRE RAIDERS

Our Purpose

The sole purpose of our existence is to be of service to all our clients within our identified target markets within the African context.

Our Mission

To save life and property by providing humanitarian services with world-class quality products, services and training.

Our Aim

To ensure that all our companies in the group become the leaders in their respective fields by:

- Aspiring to world class standards of excellence
- Clear and uninhibited customer focus
- Maintaining a high standard of honesty and integrity
- Acknowledge and accept social and environmental responsibility
- And beyond all else.....

RISING TO THE CHALLENGE

1.2 THE TRAINING DIVISION

The Training Division, Backed by the Fire Raiders is a dynamic South African based Training Sector that has been established to serve the training and equipment needs of the emergency services in Africa.

The academic and practical standards of our courses are in line with those of the specified SAQA outcomes for this field. This gives our clients the peace of mind knowing that the courses they do with us conforms to the highest possible educational standards and that they are able to claim their money their money back for training from their respective SETA'S.

OUR LGWSETA ACCREDITATION REF NO: 307

Highly Qualified and experienced instructors who are still active members of Emergency Services and regularly attend incidents present the training. Our instructors have been involved in a number of groundbreaking endeavors in this country. Included in this is the development of the first Urban Search and Rescue Course in South Africa, as well as the leadership of the South African Rescue Teams which attended the earthquake disasters in Turkey (1999), India (2001), Algeria and Iran as recently as 2003.

Our instructors have also taken a leading role in the organization of the bi-annual national vehicle extrication and high-angle rescue competitions of the Southern African Emergency Services Institute (SAESI) and are the South

African Representatives to both the United Nations International Search and Rescue Advisory Group and the World Rescue Council.

We periodically send our instructors overseas for seminars and training to make sure the client receives the latest techniques and training available worldwide.



2. RESCUE TRAINING

2.1 HIGH ANGLE RESCUE 1

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students minimum

Skills Taught:

- Safety
- Rope & Rope Hardware
- Rigging
- Anchors & Anchor Systems
- Belay Systems
- Mechanical Advantage Systems
- Patient Packaging
- System Safety Factors
- Pick-offs
- Stretcher Evacuations

Practical application is taught through scenarios drawn from actual rescue experience. Be prepared for a lot of information and an intense hands-on class.

2.2 HIGH ANGLE RESCUE 2

Course Duration: 10 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students minimum (candidates should be in possession of a High Angle 1 qualification from a recognized training institution before attending this course)

Skills Taught:

- Updates on the latest equipment
- Systems Testing
- Belay Techniques and other research
- High Anchor Points
- High Lines
- Guiding Lines
- Advanced Litter Handling Techniques
- Real Life Scenarios

The hands-on intensive scenarios will challenge your decision-making abilities and improve your capability to conduct sophisticated team rescues.

2.3 CONFINED SPACE ENTRY AND RESCUE

Course Duration: 3 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students minimum (candidates should be in possession of a High Angle 1 qualification from a recognized training institution before attending this course)

Skills Taught:

- Legislation
- Definitions
- Hazards
- Safety Equipment
- Rescue Action Plan

Confined Space Entry and Rescue is one of the most challenging and dangerous rescue operations facing fire and rescue services today. Our course provides the knowledge and practical skills necessary to safely and legally resolve a confined space emergency.

2.4 TRENCH RESCUE

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students minimum (candidates should be in possession of a High Angle 1 and Confined Space Entry & Rescue qualification from a recognized training institution before attending this course)

Skills Taught:

- Causes of Trench Collapse
- Safety Equipment
- Preparedness
- Equipment
- Common Types of Trench Collapse
- Sheet piling and Shoring
- Patient Access
- Equipment Retrieval
- Locating a Buried Victim
- Single Side-Wall Collapse
- Double Side-Wall Collapse
- L-Shaped Trench
- T-Shaped Trench
- X-Shaped Trench
- Victim Trapped by Heavy Object

Consumables are for client's expense

2.5 AQUATIC RESCUE

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught:

- Clinical Factors of Drowning
- Team Development
- Incident Management
- Swimming Pool Rescue
- Open Water Rescue
- Victim Handling
- Post-Water Rescue Procedures

2.6 SWIFT WATER RESCUE

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught:

- Basic Rules of Swift water Rescue
- Risk Assessment
- River Features
- River Hazards
- Self Rescue
- Shore Based Rescues
- Wading Rescues
- Boat Based Rescues

2.7 STRUCTURAL COLLAPSE RESCUE

(Meets FEMA Specialists requirements.

Covers technician level structural collapse skills in NFPA 1670.)

Course Duration: This two week, hands-on intensive course is specifically designed to teach skills required by fire department, public works & other agencies involved in disaster response and Urban Search & Rescue operations. It combines basic structural principals with practical skills in site evaluation and shoring techniques. To our knowledge, this is the only course of its kind that specializes in hands-on collapse rescue techniques for First Responders.

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students minimum**Skills Taught:**

- Safety practices;
- Structural Engineering Systems
- Shoring principles and concepts;
- Stages of search and rescue;
- Handling and removing casualties;
- Post incident debriefing;
- Heavy Lifting
- Search Techniques
- Concrete Breaking & Breeching

Consumables are for clients expense**2.8 MOTOR VEHICLE EXTRICATION****Course Duration:** 10 Days**Course Includes:**

- Registration as a student
- Use of training equipment
- Course learning materials

Class Size: 10 Students**Skills Taught:**

- Introduction to rescue tools & equipment
- Rescue Tools & Equipment
- Principles of extrication
- Techniques of Extrication
- Vehicle Anatomy
- New Car Technology
- Hand Tools and Pneumatics
- Incident Management
- Patient Packaging And Treatment

3. HAZARDOUS MATERIALS TRAINING

3.1 HAZMAT AWARENESS

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught:

This course complies fully with the NFPA 472 standard for the Hazmat Awareness level.

- Detecting presence of hazardous materials
- Surveying incident from safe location
- Implementing planned response
- Initiating notification process

3.2 HAZMAT OPERATIONS

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught:

- Specific attention will be paid to Level B & C donning & doffing techniques,
- Dry and micro decontamination techniques,
- Small vessel containment,
- Spill isolation and over packing practices.
- The course will also dwell on fire fighting practices for hazardous material events.

Course Objectives:

This course has been designed in order to enable the successful candidate to:

- Given a simulated incident involving hazardous materials, demonstrate knowledge of basic hazard and risk assessment techniques.
- Given a simulated incident involving hazardous materials, select and demonstrate correct use of proper personal protective equipment.
 - Define basic hazardous materials terms.
- Given a simulated incident involving hazardous materials, describe basic control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available within the student's unit.
- Given a simulated incident involving hazardous materials, list and define appropriate basic decontamination procedures.
- Given a simulated incident involving a hazardous materials, identify relevant SOP's and termination procedures.

4. FIRE FIGHTER TRAINING

4.1 FIRE FIGHTER 1

Course Duration: 10 Weeks

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught: (This course complies fully with the NFPA standard 1001 Operations for Fire fighter 1.)

- Fire Department Orientation
- Safety
- Fire Behavior
- PPE/SCBA
- Search & Rescue
- Ladders
- Fire Extinguishers
- Salvage and Overhaul
- Water Supply
- Hose
- Fire Streams
- Communications
- Ventilation
- Sprinklers
- Fire Control
- Building Construction
- Forcible Entry
- Ropes & Knots
- Public Education
- Fire Prevention

4.2 FIRE FIGHTER 2

Course Duration: 2 Weeks

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught: (This course complies fully with the NFPA standard 1001 Operations for Fire fighter 2.)

- Implementing IMS
- Construction Materials & Building Collapse
- Rescue & Extrication Tools
- Vehicle Extrication & Special Rescue

- Hydrant Flow & Operability
- Hose Tools & Appliances
- Radio Communication & Incident Reports
- Fire Detection, Alarm & Suppression Systems
- Foam Fire Streams
- Ignitable Liquid & Flammable Gas Control
- Fire Cause & Origin
- Pre-Incident Planning

4.3 FIRE OFFICER.1

Course Duration: 8 Weeks

Course Includes:

- Registration as a student
- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught: (This course complies fully with the NFPA Standard 1021 Operations for Fire Officer.)

- Managing Company Tactical Operations (Preparation)
- Managing Company Tactical Operations (Decision Making)
- Managing Company Tactical Operations (Tactics)
- Incident Command System
- Leadership 1
- Leadership 2
- Leadership 3
- Incident Safety Officer
- Arson Detection for the Fires Responder

4.5 FIRE OFFICER.2

Course Duration: 8 Weeks

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students

Skills Taught: (This course complies fully with the NFPA Standard 1021 Operations for Fire Officer 2.)

4.6 PUMPING APPARATUS DRIVER/OPERATOR

Course Duration: Two Weeks

Class Size: 10 Students

Skills Taught:

- Introduction: Pump Operator Responsibilities, Focus of program
- Fire Apparatus Driving: Traffic Laws, Driving Emergency Vehicles, Fault Finding, Vehicle Placement, Practical Driving Skills
- Pump Mechanics: General Anatomy, Intake Side, Pump Impeller, Discharge Side, Pump Capacity Rating, Single-Stage Pumps, Two-Stage Pumps, Parallel Operation, Series Operation.
- Pump Panel: Pump Gear, Tank-to-pump Valve, Discharge Valves, Main Gauges, Individual Gauges, Throttle, Pressure Relief Valve, Other Gauges.
- Pump Operation: Operating Valves, Safety Procedures, Fault Finding, Receiving Water, Emergency Procedures.
- Drafting Operations:
- Pumping Tips and Techniques: Cavitation, Booster Tanks, Additional Water Sources.
- Rough Rule Hydraulics: Simple Hose Lays, Quick Water, Nozzle Pressures, Engine Pressures, Coefficients for Rough Rule, Multiple Lines, Fine Tuning, Multiple Line to Master Stream, Additional Pump Capacity
- Developing A Sustained Water Supply.

4.7 FIRE INSPECTION & CODE ENFORCEMENT: NFPA 1031

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students (Minimum)

Course Goals:

- Enhance professionalism within the fire inspection industry
- Recognize and provide evidence of competence as related to NFPA 1031
- Ensure proficiency in the use of codes and standards
- Promote professional development through continuous learning
- Ensure a uniform, fair process for certification that is accessible to everyone
- Facilitate success for those seeking certification

Skills Taught:

- Overview of NFPA Fire Inspector Standard
- Authority & Responsibility

- Inspection Procedures
- General Fire Safety
- Building Construction
- Occupancy Classification & Means of Egress
- Fire Protection & Water Supply Systems
- Plans Review
- Hazardous Materials
- Storage, Use & Handling of Hazardous Materials

4.8 FIRE INVESTIGATOR

Course Duration: 5 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students (Minimum)

Skills Taught:

- Legal Issues and Rules of Evidence
- Scene Examination
- Explosion Scene Investigation
- Forensic Pathology
- Electrical Faults as Fire Causes
- Fire Dynamics and Fire Science
- Scene Management
- Vehicle Fire Investigation
- Training for Investigators

4.9 FLASHOVER SIMULATION TRAINING

Course Duration: 2 days

Course Includes:

- Registration as a student
- Use of training equipment
- Course learning materials

Class Size: 10 Students (Minimum)

Skills Taught:

- Basics of Fire Fighting
- Personal Protective Fire Fighting Gear
- Compartment Fire Behavior Training
- Rapid Fire Progress
 - Flashover
 - Back draft
 - Fire Gas Ignitions

4.10 FUNDAMENTALS OF WILDLAND FIRE FIGHTING.

Course Duration: 3 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 10 Students (Minimum)

Skills Taught:

- This course introduces most aspects of wildland fire control including fire prevention, fire preparedness and fire suppression. Students will become familiar with the incident command system, fire behavior, maps, map reading and fire suppression with special emphasis on fire line safety.

5. INCIDENT MANAGEMENT TRAINING

5.1 INCIDENT COMMAND COURSE

Course Duration: 3 Days

Course Includes:

- Use of training equipment
- Course learning materials

Class Size: 15 Students

Skills Taught:**NFPA 1561**

- Command Procedures
- Command Structure
- Command Structure Expansion
- Unified Command

5.2 DISASTER MANAGEMENT

Course Includes:

- Use of training equipment
- Course learning materials

Skills Taught:

- Introduction to Disaster management
- Legislation
- Role of SAPS
- Role of Volunteers
- Role of Council
- Safety at Venues

- Escape Routes
- JOC
- Pre Casualty Planning
- Command Procedures
- Command Structure
- Command Structure Expansion
- Unified Command

5.3, SAFETY OFFICERS COURSE

Course Includes:

- Registration as a student
- Use of training equipment
- Course learning materials

Class Size: 10 Students (Minimum)

Skills Taught:

- Introduction to basic concepts and different types of hazards in the workplace (this can be general or can be specific to the targeted sector)
Working environment
- Physical hazards
Mechanical hazards
Ergonomic and work organization
Chemical hazards
Biological hazards
Identification of workplace hazards
Health effects of hazardous work on the body
Classification of hazards in the workplace
Checking records
Evaluating and monitoring workplace hazards
Workplace inspections :
What is an incident/accident?
Causes of incidents/accident
Responding to an incident/accidents
What happens when a worker has been injured or has died
Accident investigation
What is an inquiry?
What can be done to prevent accidents