



AIRPORTS COMPANY
SOUTH AFRICA

TRAINING ACADEMY ACSA
COURSES

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Breathing Apparatus
Course Duration	1 Days Training
Course Deployment	Classroom / Virtual
Target Group	Fire Fighting Personnel
Course Aim	The aim of this is course is to enable the participant to use a self-contained breathing apparatus (SCBA) safely and effectively during emergency rescue and firefighting procedures
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Describe important aspects of safety. • Demonstrate practical application as it pertains to emergency service provider operations. • Identify the basic functions and uses of self-contained breathing apparatus • Properly don (wear) and doff (take off) self-contained breathing apparatus • Learn how to don and doff breathing apparatus within a reasonable time to manage the emergency.
Pass Mark	70%
Min # of Learners	12
Amount (Per Day; Per Learner)	R3775,51 (Excl. Vat)
Module 1: Protective Breathing Apparatus Limitations <ul style="list-style-type: none"> • Limitation of a wearer • Limitation of equipment's • Limitation of air supply 	
Module 2: Open Circuit/Positive Pressure <ul style="list-style-type: none"> • Method of operation • SCBA components 	
Module 3: Maintenance and Inspection <ul style="list-style-type: none"> • After use maintenance • Cylinder recharging 	

- Recommended daily inspection and maintenance
- Monthly inspection and maintenance – same as daily/weekly
- Defective units
- Testing schedule – Hydrostatic

Module 4: Donning and Doffing

- Participant preparation
- Pre -Donning inspection
- Donning (two methods)
- Operator
- SCBA Doffing
- Donning drill

Module 5: Controlled Breathing Techniques

- Type of breathing techniques
- Suggested patterns

Module 6: Emergency Procedures

- Quick fill procedure

Module 7: Changing Cylinders

- Technique

Module 8: Practical Exercise

- Obscure vision practical exercise
- Smoke environment exercise
- Maze evolution

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Control & Watchroom
Course Duration	2 Days Training
Course Deployment	Classroom / Virtual
Target Group	Fire Fighting Personnel Personnel whose duties include manning the control and watch room.
Course Aim	The aim of this is course is to enable the participant to gain the necessary knowledge in watch room procedures and incident reporting to effectively carry out the duties of a Watch Room Operator.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Work in the control room • Handle any emergency • Demonstrate knowledge of take over and handover watch room duties • Demonstrate knowledge of airport facilities; and • Carry out Watchroom communications duties during an emergency • Log all eventualities in the occurrence book.
Pass Mark	75%
Min # of Learners	12
Amount (Per Day; Per Learner)	R 3981,1392 (Excl. Vat)
Module 1: Watchroom Procedure <ul style="list-style-type: none"> • Effectively deals with all emergency situations. • Appropriate detailed recording of incidents and all routine activities. 	
Module 2: Alert Phases Categorization and Responses <ul style="list-style-type: none"> • Correctly assess the alert phase of either an incident or accident • Ensure that the appropriate phase of the Emergency Services Plan is activated. 	

<p>Module 3: Radio Procedures – Emergency and Non-Emergency</p> <ul style="list-style-type: none"> • Initiate, maintain, and manage two-way radio communications in an orderly manner. • Ensure that messages transmitted are easily understood. • Avoid unnecessary radio transmissions, especially in the event of an emergency.
<p>Module 4: Phase I (Specific to Airport)</p> <ul style="list-style-type: none"> • Enable and prepare the fire services to cope with an emergency. • Minimize the effects of an emergency, in respect of saving lives and maintaining aircraft operations.
<p>Module 5: Phase II (Notify external emergency Services)</p> <ul style="list-style-type: none"> • Teach the watch room personnel how to communicate with external emergency services • Advise external emergency services to be on standby at their stations • Record the notification in the occurrence book.
<p>Module 6: Phase III (Call out all external emergency services)</p> <ul style="list-style-type: none"> • Teach the watch room personnel how to communicate with external emergency services • Call Out external emergency services • Record the notification in the occurrence book.
<p>Module 7: Domestic Fire and Special Services</p> <ul style="list-style-type: none"> • Attend to the fire until the municipal fire fighters arrive • Procedures for dealing with special services
<p>Module 8: Weather Standby</p> <ul style="list-style-type: none"> • How to decipher the messages from the ATC that are weather related • How to follow company procedures as related to effects of poor weather conditions.
<p>Module 9: Bomb Warnings on Aircraft</p> <ul style="list-style-type: none"> • How to decipher the messages related to bombs • How to follow company procedures as related to bombs on Aircrafts and in airport vicinity.
<p>Module 10: Hi-jack Unlawful Act</p> <ul style="list-style-type: none"> • How to decipher the messages from the ATC that are related to Hi Jack situations • How to follow company procedures as related to Hi Jack situations

Module 11: Acts of Aggression – Ground and In Flight

- How to handle acts of aggression notifications

Module 12: Provision and Supply of Aircraft Brake Cooling

- To advise the Fire Crew if there is a request for brake cooling
- Familiarization of brake cooling procedure

Module 13: The Mitigation of Oil/Fuel Spills on the Movement Areas

- To advise the Fire Crew if there is a request for organic/synthetic oil/fuel spills

Module 14: De-icing, Engine Testing and Refueling of Aircrafts

- To advise the Fire Crew if there is a request for deicing. Engine testing and refueling of aircrafts with passengers onboard
- Familiarization of the deicing engine testing and refueling procedure.

Module 15: Definitions

- Phonetic alphabet
- Applicable 3 letter code
- IATA/ICAO Definitions
- Specific Phrases and words used in the Fire and Rescue Services Manuals
- Endorsement

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Fire Instructor Course
Course Duration	5 Days Training
Course Deployment	Classroom / Virtual
Target Group	Senior Fire Fighting Personnel General Facilitators and Trainers
Course Aim	The aim of this is course is to provide up to-date information required to meet and exceed the modern job performance requirements for fire service instructors and any other person wishing to become an instructor. This is the Train the Trainer Course aimed at preparing any trainer for training requirements.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Apply training principles • Apply assessment principles • Understand and apply the requirements for conducting training • Understand and apply the requirements for preparing for training • Practice training skills to prepare for training promoted
Min # of Learners	12
Pass Mark	75%
Amount (Per Day; Per Learner)	R 3784,1472 (Excl. Vat)
Module 1: Legislation <ul style="list-style-type: none"> • Acronyms • Understand the South African Qualifications Authority? • Understand the South African National Qualifications Framework? 	
Module 2: Instructional Challenges in the 21st Century <ul style="list-style-type: none"> • Instructor's influence • the role of the instructor • Qualities of a good instructor • Traps that the instructors must avoid 	

- Undesirable mannerisms

<p>Module 3: Communication</p> <ul style="list-style-type: none"> • Communication process
<p>Module 4: Instructor Role</p> <ul style="list-style-type: none"> • Feedback • Aspects that could negatively influencing the role of an instructor • Aspects that could positively influencing the role of an instructor • Preparing for training
<p>Module 5: Skills of an Instructor</p> <ul style="list-style-type: none"> • Instructors' skills • Demonstration skills • Lesson plan
<p>Module 6: Training Aids</p> <ul style="list-style-type: none"> • Use of training Aids
<p>Module 7: Test Formation</p> <ul style="list-style-type: none"> • Putting together a test
<p>Module 8: Body Language</p> <ul style="list-style-type: none"> • Having awareness of your body language • Comparisons of behavior styles
<p>Module 9: Talking in Meetings</p> <ul style="list-style-type: none"> • Point formular

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Junior Fire Officer
Course Duration	5 Days Training
Course Deployment	Classroom / Virtual
Target Group	Firefighting Personnel (Refresher – Officers)
Course Aim	The aim of this is course is to enable the participant to use the information and skills required to successfully run the shift.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Discuss the fire officer's role in guiding fire service personnel. • Covers aspects of fire officers' competencies
Pass Mark	75%
Min # of Learners	12
Amount (Per Day; Per Learner)	R3 894,74 (Excl. Vat)
Module 1: The Successful Leader Today <ul style="list-style-type: none"> • The new evaluation • What is leadership • Role of the Junior Officer • Qualities of Leadership • Skills of a Junior Officer • Principles of leadership • The plus of leadership • Have a purpose in life • Meaning of communication 	
Module 2: Man are not Machines <ul style="list-style-type: none"> • What is man 	
Module 3: The Art of Getting Along with Others <ul style="list-style-type: none"> • Acquiring the art 	

- Actions are influenced
- Basic principles of human relations
- Know your men

Module 4: What the Firefighter Expects of His Officer

- From cave man to modern man
- Men and common need
- Frustrations
- Providing for the needs
- More than a boss
- I want an Officer WHO...

Module 5: Officer in the Fire Service

- Let's experiment
- The use of good judgement
- Command as a part of the job
- The use of authority
- Command responsibility
- Respect for the Chain-of-Command

Module 6: Phase Officers Must Gain Confidence of Men

- Must earn confidence
- The results
- Gaining the right to "Command" confidence

Module 7: Controlling the Incident and Supervision in the Fire Service

- Controlling the incident
- Consider resources
- Command and controlling skills
- Approach to resolving and accident
- Major emergencies
- Supervision in the fire service

Module 8: Evaluation – Duty of Fire Service Officers

- Evaluation of men
- Evaluation for potentials
- Evaluating the team
- Evaluation for promotion

Module 9: Problem Solving

- You and your problems
- Analysis is important
- Making your decision
- Taking action
- The cause of problems

Module 10: The Job of Delegating

- Reason for not delegating
- Effect on man
- Rules of delegating

Module 11: The Fire Officer as A Teacher

- The new man
- The old timer
- New ways and solutions
- The Psychology of learning
- What is teaching
- Man vs animal in learning
- Why do men learn
- Principles of learning
- Methods of learning
- The process of learning
- Teaching dogs or men

Module 12: Drilling for Retention and Recall

- Memory is part of learning
- Remember what is important
- Memory “Hooks”
- Retention by drilling

Module 13: The Development of Leadership

- Leadership in the fire service
- Authority in the fire service
- Importance of leadership today
- Leadership entails six things
- Leadership at each level
- Selection of leadership
- Can good leadership be developed
- We can't succeed without leaders

Module 14: A Look into the Past May Reveal the Future

- What of our yesterday?
- Inefficiency of the past
- Qualifications of the past
- So what of today?
- What of the future?

Module 15: Self – Analysis for Officers

- Seven complaints and compliments
- The value of the self – analysis
- Are you worthy of promotion?

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Basic Aircraft Construction
Course Duration	2 Days Training
Course Deployment	Classroom / Virtual
Target Group	Aviation Fire Fighters Aviation Safety Personnel
Course Aim	The aim of this is course is to enable the participant to understand different aircraft parts and their functions.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Have a basic understanding about how aircrafts are constructed. • Identify possible accidents and incidents that may occur • Apply applicable procedures to be followed.
Pass Mark	70%
Amount (Per Day; Per Learner)	R3 944,85 (Excl. Vat)
Module 1: Basic Theory of Flight <ul style="list-style-type: none"> • Parts of an airplane • Aircraft construction • Landing gear • Standard terminology • Aerodynamics 	
Module 2: Aviation Fuel <ul style="list-style-type: none"> • Different types of Jet fuels • Different freezing and flash points of these jet fuels • Countries where these different jet fuels are found • Different aviation fuel additives • Power boosting fluids 	

Module 3: Aircraft Construction

- Materials and metals used in aircraft construction
- Composite structure new aircrafts
- Tests carried out by Boeing on composite structure
- Construction of a fixed-wing aircraft
- Fuselage, Wings, Fuel Tanks and Lines
- Aircraft Engines
- APU and its functions
- Power and pressurized systems
- Hydraulics and de-icing systems
- Compressed gases found in aircrafts
- Seating
- Aircraft accesses and evacuation systems
- Fire protection systems
- Flight recorders
- Construction of Rotary wing aircrafts
- Construction of military aircrafts

Module 4: Aircraft Incidents

- Aircraft ground incidents and fires (Cabin fires; Wheel fires; Overheated/Hot brakes; Engine fires; APU fires)
- Aircraft incidents/accidents (Low speed accident; High speed accident)
- Fire-fighting techniques – incidents on the airport.
 - Approaching of the incident
 - Positioning of the Rapid Intervention vehicle
 - Positioning of the major fire-fighting vehicles
 - Application of the extinguishing agent
 - Casualty location and handling

Module 5: ICAO Standards and Recommended Practices

- How ARFF personnel must implement ICAO standards and recommended practices thereby help to ensure their uniform application.
- The level of protection to be provided at an airport
- Vehicles and extinguishing agents' characteristics.

- Operating procedures for dealing with an emergency.
- Precautionary measures to be taken during aircraft fueling operations
- Application and discharge, rates for extinguishing agents.
- Airport categorization and amounts of extinguishing agents.

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Advanced Aircraft Construction
Course Duration	5 Days Training
Course Deployment	Classroom / Virtual
Prerequisite	Basic Aircraft Construction
Target Group	Aviation Fire Fighters who have done basic Aircraft Construction
Course Aim	The aim of this is course is to enable the participant to gain in depth understanding of how aircrafts are constructed including helicopters and military aircrafts.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Have in-depth information as it relates to structural features of aircrafts. • Identify different types of aircrafts and their features. • Deal with fires on aircrafts. • Understand the risks that come with different aircraft components
Pass Mark	75%
Min # Attendees	12
Amount (Per Day; Per Learner)	R3 901,65 (Excl. Vat)
Module 1: Structural Features <ul style="list-style-type: none"> • Aircraft structural Features • Fuselage construction • Main plane construction • Metals used in aircraft • Metal alloys; Behavior in a fire situation • Unit test 	

Module 2: Fixed wing aircrafts

- Fixed wing aircraft design
- Fixed wing aircraft construction

Model 3: Aircraft hydraulic system

- Aircraft hydraulic definition
- What is hydraulic system?
- Advantages of hydraulic systems
- Devices operated by hydraulics systems in aircrafts
- Emergency back-up system
- Hydraulic fluid as a fire source

Module 4: Metals used on aircrafts

- Metals used within aircraft construction
- Cabin furnishing materials
- Aircraft electrical systems

Model 5: Lithium-Ion aircraft batteries

- Lithium-Ion aircraft batteries as a Smoke/Fire risk
- Aircraft fire from battery-powered items carried on aircraft
- Lithium batteries
- Carriage of Lithium batteries as cargo
- Carriage of battery powered wheelchairs as checked baggage
- Defenses
- Emergency response

Module 6: Aircraft engines

- Introduction
- Piston engines
- Gas turbine engines
- Jet engine hazards
- Engine hazard general
- Auxiliary power unit

Module 7: Different types of aircraft fires

- Cabin fires
- Aircraft equipment
- Fighting the fire

- Types of fires
- Basic fire-fighting principles
- Fire in the air
- Wing fire
- Tailpipe fire

Module 8: Aircraft fuel, fuel tanks and aircraft systems

- Introduction
- Aviation fuel
- Military fuels
- Comparative fire hazards of aviation fuels
- Fuel tanks
- Principal types of fuel tanks
- Aircraft liquid systems

Module 9: Incidents involving aircraft undercarriages

- Introduction
- Undercarriage problems
- Hazards
- Smoke
- Smoke gases

Module 10: Aircraft fumes & fire detection and extinguishing systems

- Fumes detection
- Aircraft fire detection systems
- Aircraft fire extinguishing systems
- Engine fire protection
- Fire extinguishing agents
- Halon fire extinguishers
- Smoke hoods

Module 11: Emergency Evacuation on Land

- Evacuation
- Escape slides and access points

Module 12: Cargo aircraft

- Cargo aircrafts
- Types of cargo carried
- Cargo compartment classifications
- Light aircraft post-crash fires
- Post- crash fires
- Post-Incident airport operations

Module 13: Helicopters

- Water actuated devices
- Engines and rotors
- Electrical systems
- Fuel and fuel tanks
- Fire and rescue tactics
- Autorotation

Module 14: RFFS Procedures for Military Aircraft Emergencies

- RFFS Procedures for Military Aircraft Emergencies
- Construction
- Military identifying symbols
- Canopies, approach and positioning of appliances
- Hazards
- Access to cockpit
- Ejection

Module 15: General Aviation

- General aviation (GA)
- Construction
- Electrical systems
- Fuel and fuel systems
- Making access
- Ballistic parachute systems
- Flashover

Module 16: Aircraft firefighting and rescue considerations

- Aircraft firefighting and rescue considerations1
- Cordons
- Compressed air foam systems
- External fires
- Internal fires
- Internal firefighting and search procedures
- Fires involving the exterior and interior
- Aircraft engines – firefighting tactics and techniques

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	AFFETT - Aircraft Fire Fighting Equipment Tactic and Techniques
Course Duration	5 Days Training
Course Deployment	Classroom / Virtual
Prerequisite	Fire Fighter 1 & 2
Target Group	Fire Fighters
Course Aim	<p>The aim of this is course is to enable the participants to gain practical knowledge in the use of hand-operated firefighting equipment.</p> <p>The participants need to have attended fire fighter 1&2 courses as a prerequisite.</p>
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Identify aircraft apparatus, • Use different rescue tools, • Extinguish agents and other relevant media. • Safely approach an aircraft crash site.
Pass Mark	70%
Min # Attendees	12
Amount (Per Day; Per Learner)	R3 775,51 (Excl. Vat)
<p>Module 1: Aircraft Fire Fighting Tactics and Techniques</p> <ul style="list-style-type: none"> • Describe the basic firefighting tactics and techniques for aircraft emergency. • State the priorities for action at an aircraft incident. • State the considerations when positioning appliances and equipment. • Recognize the associated hazards and problem areas. • List the fire safety measures to be taken at the scene of an aircraft accident. 	
<p>Module 2: The Role of An Officer In charge</p> <ul style="list-style-type: none"> • Define the specific responsibilities of a supervisor on route and upon arrival at an aircraft/helicopter accident or incident. • State the action required post fire and rescue, and scene management 	

Module 3: Incidents involving Helicopters

- The role of helicopters,
- The construction materials used.
- The associated hazards with helicopters.
- The correct fire-fighting tactics when dealing with a helicopter incident.

Module 4: Incidents involving Undercarriage

- Explain the need for sound technical knowledge and practical competency.
- State the required tactics and techniques for dealing with incidents involving aircraft undercarriage assemblies, engines and internal fires.
- State the required action at the scene following firefighting and rescue operations.

Module 5: Incidents involving Aircraft Engines

- Action on arrival at the scene.
- Hazards associated with incidents involving aircraft engines.
- Action post incident.

Module 6: Incidents involving Internal/Cabin Fires

- List the associated pyrotechnic hazards
- State the additional hazards
- Describe the appliance positioning considerations
- State the method of rescue from a fighter aircraft

Module 7: Incidents involving Military Aircrafts

- Risks of explosives
- Risks of ingestion
- Risks of ejection seat.

Module 8: Aircraft Accident Site Hazards

- The Operational Environment
- How to preserve evidence

Module 9: Incident Command

- The Operational Environment
- Generic and Operational Dynamic Risk Assessment
- Modes - tactical, transitional, offensive, and defensive mode
- How to move back to defensive mode
- Recording Of Tactical Mode

- Safety Management Systems.

Module 9: Managing Safety of Others

- Safe Person Concept
- The Strategic Level
- Systematic Approach
- The Dynamic Assessment Process
- Understand the legal requirements under Health & Safety at Work regulations to carry out assessments of significant risks.
- Define the “Safe Person Concept”
- Define the process of risk assessment
- Define the “Dynamic Assessment Process”

Module 10: Post Crash Health Hazards from Burning Aircrafts

- Importance of medical assessments
- Importance of reporting physical abnormality after dealing with an emergency

Module 11: Refueling and Defueling Risks

- Aircraft refueling and de-fueling accompanied by attendant hazards which must be managed sufficiently for their mitigation to acceptable levels

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Marshalling Civil Aircrafts and Helicopters and Refresher
Course Duration	2 Day Training
Course Deployment	Classroom / Virtual
Target Group	Aviation Fire Fighters Aircraft Marshallers
Course Aim	The aim of this is course is to provide the participant with information on how to safely marshal civil aircraft and helicopters in accordance with safety legislation.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Learn how to assist the flight crew in positioning the aircraft correctly. • How to provide the flight crew with correct marshaling guidance information. • Ensure that the possibility of aircraft accidental damage is always avoided.
Pass Mark	75%
Min # of Attendees	12
Amount (Per Day; Per Learner)	R3 766,87 (Excl. Vat)
Module 1: Introduction <ul style="list-style-type: none"> • Inspect apron accordance aviation standards • Collect information on aircraft 	
Module 2: Duties of a Marshaller <ul style="list-style-type: none"> • Duties and responsibilities, which must be carried out by a marshaller when commencing shift as well as during shift on the apron. 	
Module 3: Call Signs of Handheld Radios <ul style="list-style-type: none"> • Explain the different types of handheld call signs. 	

Module 4: Apron Safety

- Engine Runs
- Aircraft coding
- Wing clearance distances on aircraft stands
- Refueling with passengers on board and general refueling of aircraft
- Safety measure to be taken when refueling an aircraft
- Marshalling Policy

Module 5: Marshalling signals recognised by ICAO/SACAA

- Signals that are to be used to successfully park an aircraft
- Mandatory requirement from South African Civil Aviation Authority
- Marshalling signals
- Helicopter Marshalling signals

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Runway Inspection
Course Duration	2 Days Training
Course Deployment	Classroom / Virtual
Target Group	Aviation Fire Fighters Aviation Safety Personnel Civil Maintenance Electrical Maintenance Bird and Wildlife
Course Aim	The aim of this is course is to enable the participants to learn how to use different methodologies and best practices to assist airport operators to counter the risks associated with runway operations and achieve a level of acceptable runway safety.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Understand industry best practices with regards to runway planning, design, maintenance, and operation. • Know how to develop an effective runway safety program, including the establishment of a Local Runway Safety Team. • Understand how to tailor, improve, and expand on an existing runway safety program. • Take action to prevent runway incursions and excursions. • Apply reporting principles learnt
Min # Attendees	12
Pass Mark	75%
Amount (Per Day; Per Learner)	R3 896,47 (Excl. Vat)

Module 1: Introduction

- SACAA Regulation
- The Airside
- Policies & Procedures
- Dawn & dusk inspections
- Basic safety considerations

Module 2: Radio Communications

- General
- Reporting on inspection findings
- AD-HOC Runway inspections

Module 3: Aerodrome Operational Environment

- Abbreviations and Definitions
- Airport signs & Markings
- Basic airside safety rules
- Additional rules for driving on the aircraft maneuvering area
- Taxi rules
- Low Visibility Procedures (LVP's)
- Runway Visual Range (RVR)
- Emergency procedure in case of radio failure

Module 4: Closing of Runways and Taxiways

- Scheduled maintenance
- Unscheduled maintenance
- Nonscheduled runway closure for safety reasons
- Runway closure for emergency purpose
- Runway and taxiway re-opening
- Procedure general

Module 5: Runway, Taxiway and Apron cleaning and sweeping

- Directive generals;
- Runways & Taxiways
- Aprons
- Procedure general
- Inspection

Module 6: Knowledge and Equipment for Aerodrome Inspections

- What to know

Module 7: Components of an Aerodrome Inspection

- Four components

Module 8: Runway and Taxiway Inspection Policy

- Details the activities to be carried out by when conducting scheduled and ad-hoc runway and taxiway inspections on operated Airports.
- Airport Maintenance Management Systems
- Classification of pavement cracking
- Pavement Classification Number (PCN)

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Pre – Incident Planning
Course Duration	2 Days Training
Course Deployment	Classroom / Virtual
Target Group	Aviation Fire Fighters Watch room attendants Emergency Services
Course Aim	The aim of this is course is to enable the participants to bridge the gap between general planning and emergency response by translating specific plans into actions before aircraft accidents/incidents occur. It teaches how to craft a plan of operation so that appropriate procedures can be developed, and the necessary resources can be identified.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Apply best practices that can convert data to useful information • Organize valid data and use the same data in the airport emergency plan • Establish a system for sharing pre-incident plans with responders • Design and develop a complete pre-incident plan.
Pass Mark	75%
Min # of Attendees	12
Amount (Per Day; Per Learner)	R3 896,47 (Excl. Vat)
Module 1: Types of Aircrafts <ul style="list-style-type: none"> • General aviation • Commercial aviation • Military aviation • Aircraft by engine type • Helicopters 	
Module 2: Types of Accidents/Incidents <ul style="list-style-type: none"> • Declared or undeclared • High – or – low impact • Survivable or non-survivable • Fire or no fire • Rescue and/or fire control 	

- Hazardous materials
- Threats

Module 3: Possible Accident Sites

- Airport areas
- Off airport areas
- Terrain
- Grid maps
- Exposures

Module 4: Accident Site Accessibility

- Roads
- Bridge/Overpasses/Underpasses
- Fences
- Terrain

Module 5: Emergency Response Notification

- Primary response notification
- Secondary response (Support Personnel)
- Methods of notification

Module 6: Climate Considerations

- Winds
- Rains
- Sleet and/or snow
- Effects of water

Module 7: Support Agencies and Mutual Aid Organizations

- Police
- Medical Services
- Military
- Mutual Aid

Module 8: Available Apparatus and Equipment's

- Rescue and fire fighting
- Heavy equipment
- Special-purpose equipment

Module 9: Communications

- Types of systems
- Radio frequencies
- Command posts

Module 10: News Media

- Public relations/public information officer
- Access
- Periodic updates
- State agencies

Module 11: Reporting an Accident

- Appropriate Civil Aviation Accident Investigation Authority
- Military
- State agencies

Module 12: Joint Training Exercises

- Planning
- Simulation
- Field application
- Critique
- Revision

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	PARTAC – Initial & Refresher
Course Duration	5 Days Training 3 Days – Refresher (Covers all topics summarized)
Prerequisite	AVOP – Airside Vehicle Operators Permit
Course Deployment	Classroom / Virtual
Course Aim	The aim of this is course is to enable the participants understand and use the correct aviation phraseology when operating in the maneuvering area.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Communicate with Pilots and ATC • Apply learnt rules and behaviors' when entering the maneuvering areas • Apply safety principles to avoid incursions.
Target Group	Aviation Fire Fighters
Pass Mark	75%
Min # of Attendees	12
Amount (Per Day; Per Learner)	R 3199 (Excl. Vat) per day
Refresher Amount (Per Day; Per Learner)	R 2272 (Excl. Vat)
Module 1: General Operating Procedures Objectives: <ul style="list-style-type: none"> • Introduction • Who, why and when we use radiotelephony language? 	
Module 2: Speech Technique <ul style="list-style-type: none"> • General • Radiotelephone • Phonetic language • Numerals • Time • Standard speech abbreviations 	

Module 3: Radiotelephony Callsigns

- Airside callsigns
- Aircraft callsigns
- Callsigns confusion

Module 4: Communication with Ground Vehicle Operators

- Establishment of contact
- Continuation of communication
- Standard phrases
- Acknowledgement of messages
- Airside read back of messages
- Conditional clearance
- Test transmissions

Module 5: Control of Surface Traffic

- Prior to transmitting
- Priority on the maneuvering area
- Crossing runways
- Stopbars

Module 6: Speeds

- Speed limit as per local aerodrome regulations

Module 7: Bird and Wildlife Control

- Bird control at airports

Module 8: Emergencies

- Radio failure on the maneuvering area
- Becoming lost/uncertain of position on the maneuvering area
- Vehicle breakdown on the maneuvering area

Module 9: Runway Visual Range (RVR)

- Observing techniques

Module 10: Low Visibility Operations (LVO)

- Apply and adopt the Low Visibility Operations SOP's
- Control of aerodrome surface traffic in conditions of low visibility

Module 11: Jetblast and Propwash Hazards

- How to maintain safe distance behind a taxiing aircraft
- How to maintain safe distance from the propwash

Module 12: Runway and Taxiway Markings

- Day markings
- Night markings
- Stop bars and lead-on lights
- Runway guard lights.

Module 13: Surface Markings

- Understanding different surface markings
- Understanding meanings of colors

Module 14: Aprons Markings

- Understanding different apron markings
- Understanding meanings of colors

Module 15: Signage

- Understanding how to interpret different signage on the airfield
- Understanding different signage categories e.g., mandatory, warning etc.

Module 16: Miscellaneous Ground Markings

- Understanding how to interpret different ground markings

Module 17: Inspection of Runways

- How to perform a runway inspection
- How to follow instructions from the ATC
- How to do a read back to the ATC instruction

Module 18: Preventing Runway Incursions

- Situational awareness
- General runway incursion prevention

AIRCRAFT RESCUE AND FIRE FIGHTING

Course Name	Fire Fighter - Aircraft Simulator Training (Practical)
Course Duration	4 Days
Prerequisite	N/A
Course Deployment	Practical (Delegates required to bring own PPE)
Course Aim	The aim of this is course is to enable the participants help the participants to demonstrate competency in fighting any aircraft fires.
Course Objectives	Give the firefighters practical skills that will help them should there be a fire to the aircraft and understand the dangers involved in handling different aircraft fires.
Target Group	Aviation Fire Fighters
Pass Mark	100 %
Min # of Attendees	12
Amount (Per Day; Per Learner)	R 2 657.00 (NB: Price does not include Simulator and Simulation requirements e.g., Petrol)
Practical 1: Wheel Fire <ul style="list-style-type: none"> • Practical on how to safely deal with wheel fires • Risks involved when dealing with the wheel fires • How to approach different wheel fire scenarios 	
Practical 2: Engine Fires <ul style="list-style-type: none"> • Practical on how to safely deal with engine fires • Risks involved when dealing with the engine fires • How to approach different engine fire scenarios 	
Practical 3: Galley Fires <ul style="list-style-type: none"> • Practical on how to safely deal with galley fires • Risks involved when dealing with the galley fires 	
Practical 4: Cabin Fires <ul style="list-style-type: none"> • Practical on how to safely deal with cabin fires • Risks involved when dealing with the cabin fires 	

Practical 5: Aircraft Overheated brakes

- Practical on how to safely deal with overheated brakes
- Risks involved when dealing with the overheated brakes
- How to approach overheated brakes assembly

Practical 6: Cabin Search and Rescue

- Practical on how to conduct a thorough search and rescue inside a cabin
- Risks involved when conducting a cabin search and rescue operation

AVIATION SAFETY

AVIATION SAFETY

Course Name	Safety Management Systems-Initial
Course Duration	5 Days Initial
Course Deployment	Classroom & Online (Learner Paced)
Target Group	Airport Safety Managers and Safety Personnel Airport Emergency Managers and Personnel Airport Ground Handling Managers and Personnel
Course Aim	The aim of this is course is to provide the participants with the necessary knowledge, skills, and aptitude in developing, implementing and managing a Safety Management System, as well as measuring its performance in a medium to large aviation company.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Develop the student's knowledge of safety management concepts and ICAO Standards and Recommended Practices (SARPs) on Safety Management as per ICAO Annex 19 and ICAO Doc 9859. • Develop the student's knowledge to oversee the implementation of the key components of a basic SMS, in compliance with the CARs Part 140.
Pass Mark	70%
Amount: Classroom	Negotiable
Amount: Online Amount (Per Learner)	R 5000 (Excl. Vat)
Module 1: Safety Management Fundamentals <ul style="list-style-type: none"> • Concept of safety • Evolution of safety • People, context, and safety • Error and violation • Safety culture 	

- Management dilemma

Module 2: Hazard identification, safety risk management and safety reporting

- Safety reporting and investigation
- Safety data collection and analysis
- Hazard Identification
- Safety Risk Mitigation

Module 3: Safety Management Standards and Recommended Practices (SARPs) – ICAO Annex 19

- State safety management responsibilities
- SSP framework
- SMS Framework
- Prescriptive and performance-based requirements

Module 4: Safety Data

- Safety data collection, analysis and exchange
- Guidance for safety information
- Integration of management systems

Module 5: SMS Implementation

- SMS Organization and accountabilities
- SMS gap analysis
- SMS Integration
- SMS manual and records
- SMS Committee and Administration
- Safety policy and objectives
- Emergence response planning
- Hazard Identification and voluntary reporting system
- Safety risk mitigation
- Management of change
- Occurrence reporting and Investigation

- SMS disciplinary policy and procedures
- Safety data processing and analysis

Module 6: Safety Performance Indicators and Acceptable Level of Safety Performance Development

- SMS safety performance
- SPI and ALoSP development
- SMS training programme
- Safety information sharing and exchange
- Internal and External SMS Audit

Module Framework: provide the participant with knowledge on the following:

- Development of SPIs,
- Development of SPI charts,
- Target settings,
- Safety performance monitoring and
- Establishment and achievement of ALoSP

AVIATION SAFETY

Course Name	Safety Management Systems-Refresher
Course Duration	1 Day
Course Deployment	Classroom & Online (Learner Paced)
Prerequisite	Safety Management Systems Initial
Target Group	Airport Safety Managers and Safety Personnel Airport Emergency Managers and Personnel Airport Ground Handling Managers and Personnel
Course Aim	The aim of this is course is to provide the participants with the necessary knowledge, skills and aptitude in developing, implementing and managing a Safety Management System, as well as measuring its performance in a medium to large aviation company.
Course Objectives	Upon completion of this course, participants will be able to: <ul style="list-style-type: none"> • Develop the student's knowledge of safety management concepts and ICAO Standards and Recommended Practices (SARPs) on Safety Management as per ICAO Annex 19 and ICAO Doc 9859. • Develop the student's knowledge to oversee the implementation of the key components of a basic SMS, in compliance with the CARs Part 140.
Pass Mark	70%
Amount: Classroom	Negotiable
Amount: Online Amount (Per Learner)	R 5000 (Excl. Vat)
Module 1: Safety Management Fundamentals <ul style="list-style-type: none"> • Concept of safety • Evolution of safety • People, context, and safety • Error and violation • Safety culture • Management dilemma 	

Module 2: Hazard identification, safety risk management and safety reporting

- Safety reporting and investigation
- Safety data collection and analysis
- Hazard Identification
- Safety Risk Mitigation

Module 3: Safety Management Standards and Recommended Practices (SARPs) – ICAO Annex 19

- State safety management responsibilities
- SSP framework
- SMS Framework
- Prescriptive and performance-based requirements

Module 4: Safety Data

- Safety data collection, analysis and exchange
- Guidance for safety information
- Integration of management systems

AVIATION SAFETY

Course Name	Airside Induction Training (AIT) (Initial & Refresher)
Course Duration	Learner Paced for Online
Course Deployment	Online
Target Group	<ul style="list-style-type: none"> • Airport safety managers, officers, and staff • Airport Emergency Managers, Officers and Staff • Airport health and safety personnel • Air traffic controllers • Airport planners and designers • Airport ground handling managers and personnel <p>Refresher – Required after every 2 years</p>
Course Aim	The aim of this course is to familiarize participants with the unique nature of the airside, the various roles and responsibilities required to maintain a high level of safety, the major elements of airside safety and some of the common hazards that they may encounter.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <p>:</p> <ul style="list-style-type: none"> • Understand the responsibilities of the Airport Authority as the mandatory in terms with the legal framework • Have a clear understanding of the employer’s responsibilities towards the employees, in terms with the requirements of the Occupational Health and Safety Act • Understand their responsibilities as employees towards their employers through which to ensure their own safety as well as that of others including the safety of Aircraft, Equipment and Facilities • Be able to implement the airside standards as established by the Airport Authority and to identify possible hazards on the airside as well as the elimination there of.
Pass Mark	80%
Amount (Per Learner)	R 5000 (Excl. Vat)

Module 1 Introduction to a series of airside induction modules that needs to be completed to qualify for an Airside Permit
Module 2 Know Your Airport Get to know the layout of your airport
Module 3 Personal Protection Rules on personal protection
Module 4 Fire Management Fire hazard prevention and notification
Module 5 Apron Cleanliness Rules for keeping the aprons clean
Module 6 Ground Handling Aircraft ground handling rules
Module 7 Vehicles on Airside Rules regarding vehicles and equipment on the airside

AVIATION SAFETY

Course Name	Airside Vehicle Operators Permit -AVOP (Initial & Refresher)
Course Duration	Learner paced for online
Course Deployment	Online with Practical element
Target Group	<ul style="list-style-type: none"> • Airport safety managers, officers, and staff • Airport Emergency Managers, Officers and Staff • Airport ground handling managers and personnel • Airside Driver operators <p>Refresher – Required after every 2 years</p>
Course Aim	The aim of this course is to provide the Airport Authority with a management tool to monitor driving behaviour on the airside and to re-enforce traffic rules and regulations as stipulated in the Safety Enforcement System.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • To create a culture of "Safety Awareness" amongst all ramp users • To reduce damage to aircraft, equipment and vehicles • To reduce staff injuries or fatalities as a result of incidents or accidents • To reduce legal liability and insurance costs
Pass Mark	80%
Amount: (Per Learner)	R 5000 (Excl. Vat)
Module 1	
AVOP Introduction Airside Vehicle Operator Permit Introduction module	
Module 2	
AVOP Driving rules and safety AVOP Driving rules and safety	
Module 3	
Driving regulations Driving regulations	
Module 4	
Airside hazards	
Module 5	
ACSA Safety Enforcement System	

Module 6

Ground Handling Aircraft ground handling rules

Module 7

Vehicles on Airside Rules regarding vehicles and equipment on the airside

AVIATION SAFETY

Course Name	Aerodrome Emergency Preparedness
Course Duration	3 Days
Course Deployment	Classroom/ Online
Target Group	<ul style="list-style-type: none"> • Airport Operations Directors, Managers, Officers and Staff • Airport Emergency Managers, Officers and Staff • Airport Safety Managers, Officers and Staff • Airport Public Affairs and Communications, Directors,
Course Aim	The aim of this course is to provide participants with skills required to minimize the effects of an emergency particularly in respect of saving lives and maintaining aircraft operations.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Provide guidance on current industry best practices within the framework of the Aerodrome Emergency Plan (AEP). • Understand the relevant ICAO Standards and Recommended Practices related to emergency preparedness and response
Pass Mark	80%
Min # of Attendees	12
Amount: (Per Learner; Per Day)	Classroom :R 18000 (Excl. Vat) Online: R 5000 (Excl. Vat)
Module 1: Emergency Notification <ul style="list-style-type: none"> • The Emergency Notification Procedure • The Emergency Notification Flowcharts • The Emergency Notification Administration • The Emergency Notification best practices 	
Module 2: Accident Site <ul style="list-style-type: none"> • Assessment of the Site • First Response Fire Fighting • Fire & Rescue Go Teams • Crash Site Layout 	

Module 3: Forward Command Post (FCP)

- Purpose of the FCP
- FCP Role-players
- Management of FCP
- Decisions made at FCP
- Establish & maintain the FCP
- FCP Set-up
- FCP Records

Module 4: Medical Services

- Vehicle Staging Area 1 and 2
- Role of Medical Coordinator
- Role of Triage Officer/Coordinator
- Medical Administration
- Medical Resources – Go Kit

AVIATION SECURITY

AVIATION SECURITY

Course Name	Basic Aviation Security Course
Course Duration	10 Days Basic & 5 for days AVSEC Refresher Level 1
Course Deployment	Classroom
Target Group	Base Entry Security Screening Staff
Course Aim	The aim of this course is to train participants on how to implement and monitor security requirements. It also aims to train on how to and implement preventive airport security measures.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Understand concepts of civil aviation • Know and apply, applicable rules about working at the airport • implement security measures that are applied at the airport • Identify prohibited items • Execute requirements for Guarding and Patrolling • Thoroughly Screen and Search Passengers and Baggage • Work using X-ray machines • Apply principles of Protection of Aircraft on the Ground Equipment • Detect different Behaviors and apply measures that are applicable
Pass Mark	80%
Min # of Attendees	12
Amount: (Per Learner; Per Day)	Basic: R 8305,2 (Excl Vat) Refresher: R 5943,6 (Excl. Vat)
Practical Drills	<ul style="list-style-type: none"> • Body Search • Baggage search • Vehicle search
Computer Based Training (Simulations)	<ul style="list-style-type: none"> • X-Ray Operator Simulation • Image Interpretation (safe passage platform) • IED Awareness • ION SCAN
Pass Mark	100%

Module 1 Introduction to Civil Aviation

- Explain regulations applicable to civil aviation
- Explain threats to airport security and passengers

Module 2 Working at the Airport

- Explain the importance of airport safety rule
- Apply airport permit rules
- Identify the main airport buildings and services at an airport
- Explain the difference between the different boundaries at an airport

Module 3: Security measures at an airport

- Explain procedure at a passenger, crew, permit holder and vehicle security control checkpoint
- List information to be recorded in the access control point occurrences book
- Carry out control and search of vehicle
- Apply Standard Operating Procedure (SOP's)
- Identify suspicious or unusual behavior at access control points
- Explain the procedure for dealing with irregularities or security incidents

Module 4 Explosive Devices and Prohibited Articles

- Define and classify restricted articles
- Recognize restricted articles
- Recognize dangerous goods
- List the components of an improvised explosive and incendiary device
- Describe the security response on discovering a restricted article

Module 5 Building Search Procedure

- List the basic types of "sterile" passenger holding areas
- Conduct a physical search of a holding for prohibited items
- Explain the response action to deal with suspect items located in a holding area in accordance with Standard Operating Procedures

Module 6 Guarding and Patrolling

- Explain principles of “defense-in depth”
- Explain the reasons for implementing physical barriers and different security areas
- Explain the importance of security patrols and guarding
- Apply security patrol and guarding techniques

Module 7 Screening and Searching Passengers and Baggage

- Explain the principle of screening and searching
- Name the different passenger screening locations
- Identify the characteristics of a passenger search area
- Discuss technical equipment used for searching and screening
- Apply search procedures

Module 8 Working with X-Ray

- Operate screening machine
- Interpret images on an X-ray monitor and identify items that may be restricted or dangerous
- Implement safety precautions when using or working around X-ray equipment

Module 9 Protection of Aircraft on the Ground Equipment

- Explain the importance of protecting a parked aircraft
- Explain security procedures used to protect the unattended aircraft
- Describe appropriate action to be taken if aircraft security measures are compromised

Module 10 Behavior Detection Awareness

- Explain the purpose for conducting Behavior Detection (BD)
- Identify the steps in the BD process
- Describe how BD enhances the screening process
- Demonstrate the required elements of preparation and communication
- Identify the Initial Strategy
- Determine Environmental and Individual Baselines
- Describe indicators and BD thresholds
- Identify criteria for determining follow-up actions during BD
- Identify tasks of the BDR Screening process
- Identify events that require Law Enforcement Officer (LEO) intervention
- Describe Resolution Conversation (RC)

- Identify steps in the RC process

AVIATION SECURITY

Course Name	Initial Security Supervisor Course
Course Duration	7 Days for Initial and Refresher is 5 days
Course Deployment	Classroom
Course Aim	The aim of this course is to provide participants with enhanced skills in security supervision. It helps security supervisors with skills to effectively supervise the security operatives who report to them. The course covers essential security supervisory skills including motivation and team building.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Demonstrate the needed qualities for effective security supervision • Skillfully operate and manage electronic security devices and systems. • Intelligently apply reasonable knowledge of the Laws and applicable procedures • Competently use applicable machines • Lead and manage teams efficiently • Respond adequately to incidents. • Resolve and manage conflict.
Target Group	Security Supervisor Staff
Pass Mark	80%
Min. # of Attendees	12
Amount (Per Day; Per Learner)	Initial: R 4891,18 ((Excl. Vat) Refresher: R 8160 (Excl. Vat)
Practical Drills	<ul style="list-style-type: none"> • Body Search • Baggage search • Vehicle search • Safe passage X-Ray Screening Simulation • Equipment Testing • Conflict management • Rostering

	<ul style="list-style-type: none"> • Report writing
Pass Mark	100%
Module 1 Introduction to Civil Aviation <ul style="list-style-type: none"> • Role of ICAO • International Convention • Doc 8973 • Annex 17 • National Civil Aviation Committee • National Civil Aviation Security Program • Role of the South African Civil Aviation Authority • Airport Security Committee • Airport Security Committee • Current and Related Trends in Threat to Civil Aviation 	
Module 2 The Aviation Security Supervisor <ul style="list-style-type: none"> • Role and Responsibilities of a Supervisor • New ways of supervising • Supervisory Self-Assessment Survey • Motivating others • Coaching for success • Dealing with performance issues • Team Building Synergy • Managing stress • Enhancing future results 	
Module 3 Ensuring Operational Effectiveness of Equipment <ul style="list-style-type: none"> • Testing of X-Ray Machine • Testing of Arch Way Metal Detector • Testing of Hand-Held Metal Detector • Testing of IONSCAN Explosive Trace Detection 	
Module 4 Standard Operating Procedures <ul style="list-style-type: none"> • The need for Standard Operating Procedures • The Content of Standard Operating Procedure 	

- Formulating a Standard Operating Procedure
- Understanding the different aspects of the Security Check Point
- Understanding the effectiveness of the Security Check Point

Module 5 Supervising the Operational Duties of AVSEC Team

- Dangerous Goods Cat 12
- Criminal Procedure Act
- Civil Aviation Legislation
- Annex 17
- National Key Point Act
- Permit System and Permit Policy
- Firearm and Explosive
- Alarm resolution and threat elimination

Module 6 Deployment and Assignment of Security Personnel

- Rostering of the Security Personnel
- Planning of daily activities
- Briefing of personnel
- Rotation of Personnel
- Organizing of relieves
- Sharing of information

Module 7 The Supervisor and On-the-Job Training

- Types of Training
- Advantages of On-the-Job Training
- Responsibility of structuring for On-the-Job Training
- The Supervisor's responsibility for On-the-Job training
- Monitoring On-the-Job Training

Module 8 Performance Assessment of Personnel

- Monitor performance of Security Tasks by using observation techniques
- Monitoring application of policy relating to special persons and to the handling and carriage of items removed from passengers

Module 9 On the Job Training

- To describe the need to for and advantage of On-the-Job Training
- To explain the Supervisor's responsibility in On-the-Job Training
- To describe the process for conducting On-the-Job Training
- To explain the method of monitoring On-the-Job Training

Module 10 Incident Response Procedures and Supervisor's Response to Incidents

- Classify all types of Airport Emergencies
- Describe the Process for developing Emergency Response Actions
- Specify the Content requirements of an emergency response SOP

Module 11 Behavior Detection Awareness

- Explain the purpose for conducting Behavior Detection (BD)
- Identify the steps in the BD process
- Describe how BD enhances the screening process
- Demonstrate the required elements of preparation and communication
- Identify the Initial Strategy
- Determine Environmental and Individual Baselines
- Describe indicators and BD thresholds
- Identify criteria for determining follow-up actions during BD
- Identify tasks of the BDR Screening process
- Identify events that require Law Enforcement Officer (LEO) intervention
- Describe Resolution Conversation (RC)
- Identify steps in the RC process

AVIATION SECURITY

Course Name	Smart Security Lane
Course Duration	3 Days, Refresher 1 day
Target Group	Screening Staff and Supervisors
Course Deployment	Classroom
Course Aim	The aim of this course is to provide participants with knowledge on the concepts of Smart Security. It is designed to assist participants to adopt innovative screening solutions that strengthen security, increase operational efficiency and improve the passenger experience.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Understanding the E-Gate and Access • Applying Smart Security Lane and Process Flow principles • Comprehend and apply Cabin Baggage Divestment rules • Screen and scan passengers • Identify the L3 ClearScan Cabin Baggage Explosive Detection System • Inspect Cabin Baggage and detect Explosives
Pass Mark	80%
Min. # of Attendees	12
Amount (Per Day; Per Learner)	R 2026,8 (Excl. Vat)
<p>Module 1</p> <ul style="list-style-type: none"> • Define E-Gate and explain the derived benefits • Demonstrate understanding of E-Gate method of operation • Explain access control standard operating procedure • Demonstrate understanding of the E-Gate Office duties • Demonstrate understanding of the Queue Combing Office duties <p>Module Framework: E-Gate and Access</p>	
<p>Module 2</p> <ul style="list-style-type: none"> • Demonstrate understanding of the Smart Security Lane layout • Describe the Smart Security Lane application • List the components of Smart Security Lane • Identify personnel positions in the Smart Security Lane 	

Module 3

- Identify the divestment equipment in the lanes
- Demonstrate the understanding of operating the divestment equipment
- Explain the duties of the divestment officer
- Demonstrate understanding of the divestment standard operating procedures

Module 4

- Identify equipment for Passenger Screening L3 ProVision 2
- Identify the components of L3 Passenger Screening ProVision 2
- Operate L3 Passenger Screening ProVision 2 equipment
- Describe the passenger screening procedures
- Explain the duties of Passenger Screening Officer/Body searcher
- Demonstrate understanding of passenger re-screening procedures

Module 5

- Identify equipment for cabin baggage screening
- Demonstrate understanding of components of L3 ClearScan Cabin Baggage Explosive Detection System
- Demonstrate understanding of Passenger Screening Procedures
- Describe duties of the remote screening officer when screening the cabin baggage
- Describe the procedure to follow when threat and EDS is detected

Module 6 Cabin Baggage Inspection and Explosive Detection

- Identify equipment for Cabin Baggage Inspection Equipment
- Demonstrate understanding of Cabin Baggage Inspection procedure
- Describe duties of the Cabin Baggage Inspection officer when searching cabin baggage
- Describe procedure to follow for ETD
- Describe procedure to follow when high threat and IED is detected

Module 7 Re – Claim Island and Egress

- Identify equipment for reclaim area
- Describe duties of the reclaim officer
- Demonstrate the understanding of egress point for passengers, crew and permit holder egress

AVIATION SECURITY

Course Name	CCTV Operators Course
Course Duration	3 Days, Refresher 1 day
Course Deployment	Classroom
Course Aim	The course is planned any individual who requires formal preparing and certificate in CCTV control room activities. Applicants will get information and comprehension of the prerequisites and duties of an expert control room administrator.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Furnishes people with CCTV overview. • Engages students to information on the essentials of Observation • Establishing Baselines and Behavior Observation and Analysis. • Know and apply technical requirements • Apply Legal aspects
Target Group	80% Theory 100% Practical
Pass Mark	CCTV Control Room Operators
Min. # of Attendees	12
Amount (Per Day; Per Learner)	Basic: R3 492,00(Excl .Vat)
Module 1 CCTV overview <ul style="list-style-type: none"> • Define surveillance • Describe the areas which require CCTV • Explain the operational requirements for surveillance • Distinguish between the different surveillance areas and their respective requirements 	
Module 2 Observation <ul style="list-style-type: none"> • Define observation • Use observation skills • Describe the stages of observation • Determine observation needs • Consult with other role players 	

Module 3 Establishing Baselines and Behavior Observation and Analysis

- Demonstrate the required elements of preparation and communication
- Identify the Initial Strategy
- Determine Environmental and Individual Baselines
- Describe indicators and BD thresholds
- Identify criteria for determining follow-up actions during BD

Module 4 Body language and behavior

- Define body language
- Describe the different types of body language
- Explain the factors which affect observation
- Explain the operational requirements regarding monitoring Module Framework: Body language and behavior

Module 5 Technical requirements

- Describe the optimal layout of CCTV
- Explain the best camera views
- Distinguish between different CCTV systems

Module 6 Legal aspects

- Distinguish between the different types of legislation
- Explain the legislation specific to surveillance

AVIATION SECURITY

Course Name	Aviation Security Screening Course
Course Duration	2.5 - 3 Hours Days Initial, Refresher 6Hours
Target Group	Screening Personnel
Course Deployment	E-Learning: Safe Passage
Course Aim	The aim of this course is to provide participants with a solid foundation on required knowledge and skills for working at a security screening checkpoint. The course details the process to be used when screening passengers and baggage. Each participant will learn the basic structure and operation of a screening checkpoint. The course also demonstrates how to properly screen a passenger and baggage using metal detectors and physical searches.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Understand history of Screening • Understand and explain checkpoint structure and operation • Demonstrate Passenger Screening Process using metal detectors and physical searches. • Demonstrate Baggage Screening Process using metal detectors and physical searches.
Pass Mark	70%
Min. # of Attendees	12
Amount (Per Learner)	R1440 (Excl.Vat)
Module 1: Introduction	
<ul style="list-style-type: none"> • Course Overview 	
Module 2: History of Screening	
<ul style="list-style-type: none"> • Overview • Reasons for Security Screening • Importance of Security Screening • Module Summary • Module Assessment 	

<p>Module 3: Checkpoint Structure and Operation</p> <ul style="list-style-type: none">• Overview• Checkpoint Basics• Security Screener Responsibilities• Module Summary• Module Assessment
<p>Module 4: The Passenger Screening Process</p> <ul style="list-style-type: none">• Overview• Operating the Walk-Through Metal Detector WTMD• Operating the Hand-Held Metal Detector HHMD• Performing A Body Search• Module Summary• Module Assessment
<p>Module 5: The Baggage Screening Process</p> <ul style="list-style-type: none">• Overview• The inspection Process• Module Summary• Module Assessment
<p>Final Assessment: Aviation Security Screening</p> <p>Assessment Demarcation:</p> <ul style="list-style-type: none">• History of Screening• Checkpoint Structure and operation• Passenger Screening Process• Baggage Screening Process

AVIATION SECURITY

Course Name	IED Recognition Course
Course Duration	1-2 Hours
Target Group	Screening Personnel and Screening Supervisors
Course Deployment	E-Learning: Safe Passage
Course Aim	<p>The aim of this course is to provide participants with skills to identify explosives and explosive devices at security checkpoints. World-wide terrorist activities have increased dramatically. One of the terrorists' weapons of choice is the IED. Detecting IEDs is a critical part of any security screener's responsibility. Training is the most important element in effective detection of IEDs. This training course examines the dangers posed by Improvised Explosive Devices, provides essential instruction on basic IED components, and identifies how the screening process aids in the detection of IEDs and IED components</p>
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Understand Improvised Explosive Devices and why they are assembled • Identify of Improvised Explosive Devices • Understand Improvised Explosive Devices (IED) Components • Deploy methods of Detecting Improvised Explosive Devices (IED'S) • Detect of Improvised Explosive Devices using X-ray
Pass Mark	70%
M Min. # of Attendees	12
Amount (Per Learner)	R1440 (Excl.Vat)
Module 1: Introduction <ul style="list-style-type: none"> • Course Overview 	
Module 2: Understanding Improvised Explosives Devises <ul style="list-style-type: none"> • Introduction to Improvised Explosive Devises - IED • Improvised Explosive Devises (IED) Components • Module Summary 	

- Module Assessment

Module 3: IED Detection

- Overview
- Detecting an IED
- X-ray Detection
- IED Identification
- Module Summary
- Module Assessment

FINAL Assessment: IED Recognition

Assessment Demarcation :

- Understanding Improvised Explosive Devices
- Identification of Improvised Explosive Devices
- Improvised Explosive Devices (IED) Components
- Detecting Improvised Explosive Devices (IED'S)
- X-ray Detection of Improvised Explosive Devices

AVIATION SECURITY

Course Name	Smiths Hi Scan Operator Course
Course Duration	2-2.5 Hours
Target Group	Screening Personnel and Screening Supervisors
Course Deployment	E-Learning: Safe Passage
Course Aim	The aim of this course is to teach participants on proper and effective use of the HI-SCAN product line. This course teaches the participant how to use the machine's controls, image processing features, and advanced options.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Use Power and Navigation Controls • Start the HI-SCAN Unit • Use image processing features, and advanced options • Scan Bags using Smiths HI-SCAN • Image Evaluation Functions • Understand X-ACT, HI-SPOT and HAD • Understand Image Store System (IMS) • Identify threats on HI-TIP (Threat Image Projection)
Pass Mark	70%
Min. # of Attendees	12
Amount (Per Learner)	R1440 (Excl.Vat)
Module 1: Introduction <ul style="list-style-type: none"> • Course Overview 	
Module 2: HI-SCAN Basic Operation <ul style="list-style-type: none"> • Overview • Power and Navigation Controls • Starting Your HI-SCAN Unit • Scanning Bags • Module Summary • Module Assessment 	

Module 3: Viewing Bag Images

- Overview
- Image Evaluation Functions
- Module Summary
- Module Assessment

MODULE 4: HI-SCAN Advanced Options

- Overview
- X-ACT, HI-SPOT and HAD
- Image Store System (IMS)
- HI-TIP (Threat Image Projection)
- Module Summary
- Module Assessment

FINAL Assessment: SMITHS HI Scan Operator

Assessment Demarcation:

- Power and Navigation Controls
- Starting Your HI-SCAN Unit
- Scanning Bags
- Image Evaluation Functions
- X-ACT, HI-SPOT and HAD
- Image Store System (IMS)
- HI-TIP (Threat Image Projection)

AVIATION SECURITY

Course Name	Smith's Hi Scan Simulator Course
Course Duration	2 Hours
Target Group	Screening Personnel and Screening Supervisors
Course Deployment	E-Learning: Safe Passage
Course Aim	The aim of this course is to provide participants with two perspectives for analyzing X-ray images. It teaches participants about system setup. It explains X-ray functionality and offers practical image interpretation with simulation.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Understand obvious threats • Demonstrate examination of X-ray images • Demonstrate interpretation of X-ray Images • Demonstrate effective decision making to hold, pass or inspect item.
Pass Mark	85%
Min. # of Attendees	12
Amount (Per Learner)	R1440 (Excl. Vat)
Practical Simulation <ul style="list-style-type: none"> • Overview • X-ray Interpretation Practice • Review Session • X-ray Interpretation Final Assessments 	

AVIATION SECURITY

Course Name	Smiths IONSCAN 400B
Course Duration	2-3 Hours
Target Group	Screening Personnel and Screening Supervisors
Course Deployment	E-Learning: Safe Passage
Course Aim	This is a self-paced course teaches each participant how the IONSCAN 400B system works to identify traces of explosives and narcotics. The participant will learn the core parts of the IONSCAN 400B system. In addition, each participant will learn the correct technique for taking samples, how to analyze samples, and how to clear contamination from the system and screening area.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Demonstrate how use the IONSCAN 400B system works to identify traces of explosives and narcotics • Demonstrate competence in detecting and tracing traces of explosives and narcotics • Demonstrate correct technique for taking samples and analysing samples. • Demonstrate how to clear contamination from the system and screening area.
Pass Mark	70%
Min. # of Attendees	12
Amount (Per Learner)	R1440 (Excl. Vat)
Module 1: Introduction <ul style="list-style-type: none"> • Course Overview 	
Module 2: IONSCAN 400B Overview <ul style="list-style-type: none"> • Overview • IONSCAN Capabilities • Detecting an IED • Trace Basics • Module Summary • Module Assessment 	

Module 3: System Analysis

- Overview
- IONSCAN 400B Components
- Safety
- Module Summary
- Module Assessment

Module 4: Power Controls

- Overview
- Power ON/ Power Off
- IONSCAN 400B Calibration
- Module Summary
- Module Assessment

Module 5: Trace Analysis

- Overview
- Sampling Procedures
- Processing and Resolving Alarm
- Module Summary
- Module Assessment

Module 6: Contamination

- Overview
- Area Contamination
- Module Summary
- Module Assessment

FINAL Assessment: Smiths Ionscan 400b

Assessment Demarcation:

- IONSCAN Capabilities
- Detecting an IED
- Trace Basics
- IONSCAN 400B Components
- Safety
- Power ON/ Power Off
- IONSCAN 400B Calibration

- Sampling Procedures
- Processing and Resolving Alarm
- Area Contamination

AVIATION SECURITY

Course Name	Dangerous Goods Regulations Category 12
Course Duration	2 Days Initial, Refresher 6Hours
Target Group	Screening Personnel
Course Deployment	Classroom
Course Aim	The aim of this course is to provide participants with skills and knowledge on how to deal with the screening of passengers and crew and their baggage and cargo or mail, e.g., security screeners, their supervisors and staff involved in implementing security procedures.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Identify and classify dangerous goods • Recognize dangerous goods labels and package specification markings • Detect hidden dangerous goods in baggage • Understand provisions for dangerous goods in the baggage of passengers and crew • Follow basic dangerous goods emergency response procedures.
Pass Mark	80%
Min. # of Attendees	12
Amount (Per Day; Per Learner)	Initial: R675,6 (Excl..Vat) Refresher: R337,8(Excl. Vat)
Module 1: Applicability <ul style="list-style-type: none"> • Define Dangerous Goods • Origin of regulations • General Philosophy • Shippers Responsibility • Operators Responsibility • Information to passengers 	
Module 2: Limitations	

- Define limitations
- Forbidden Dangerous Goods
- Recognition of Hidden Hazards
- Provision For Passengers and Crew
- State Variations
- Operator Variations

Module 3: Classification

- Define Classification
- Identify the classes of dangerous goods

Module 4: Marking and Labelling

- Define markings
- Identify types of markings
- Identify hazard labels for 9 classes
- Identify Handling Labels

Module 5: Dangerous Goods Emergency Response

- Describe dangerous emergency
- Explain the responses based on characteristics of dangerous goods
- Reporting Incidents/Accidents

CUSTOMER SERVICE

(Customizable to meet your organization's needs)

Course Name	Pride in Action
Course Duration	Learner Paced
Target Group	Client Facing Personnel
Course Deployment	Online
Course Aim	The aim of this course is to provide participants with skills and knowledge on improving communication, listening, problem-solving and organizational skills.
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Demonstrate a customer service approach • Demonstrate confidence and skill as a problem solver • Apply techniques to deal with difficult customers • Make a choice to provide customer service.
Pass Mark	80%
Amount (Per Learner)	R 5000 (Excl. Vat)
Module 1: Know Your Airport <ul style="list-style-type: none"> • Define Dangerous Goods • 	
Module 2 - Value Chain <ul style="list-style-type: none"> • Define Dangerous Goods • 	
Module 3 - Living with PRIDE Define Dangerous Goods <ul style="list-style-type: none"> • 	
Module 4 - Customer Service <ul style="list-style-type: none"> • Define Dangerous Goods 	

GOVERNANCE

(Customizable to meet your organization's needs)

Course Name	Ethics
Course Duration	Learner Paced
Target Group	All Personnel
Course Deployment	Online
Course Aim	The aim of this course is to provide participants with skills and knowledge on how to judge the moral legitimacy of their decisions, enabling them to apply moral principles and values in business decision-making
Course Objectives	<p>Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> Recognize and promote ethical decisions in the workplace Identify ethical and unethical actions and behaviors. Acquire skills about treating everyone with dignity and respect and owning up to mistakes.
Pass Mark	80%
Amount (Per Learner)	R 5000 (Excl. Vat)
Module 1: Values <ul style="list-style-type: none"> Company Values 	
Module 2: Code of Ethics <ul style="list-style-type: none"> Guidelines for Code of Conduct Steps to Making Ethical Decisions 	
Module 3: Competition Law <ul style="list-style-type: none"> Aspects of Competition as it relates to ethics 	
Module 4: Fraud and Corruption <ul style="list-style-type: none"> Types of Corrupt Activities 	

Module 5: Gifts and Entertainment

- Gift and Entertainment Policy
- When is a gift a bribe?
- Specific forbidden gifts

Module 6: Conflict of Interest

- Conflict of Interest
- Declarations

Module 7: Whistle Blowing

- Aspects of Whistle Blowing