



LONDON FIRE BRIGADE

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**Freedom of Information request reference number:** 8328.1

**Date of response:** 19 February 2024

**Request:**

*I'd like all the information LFB holds with regards to the Emergency Fire Crew Capability services contract with Securitas. I'd like to receive all information on training packages, specifically the course content and any information regarding the composition of training and the appropriateness of the training in relation to the envisaged role of Emergency Fire Crew Capability recruits. I'd like the full course itinerary broken down into modules, what those modules cover, and the time the recruits and trainers spend learning/teaching each module/section of the course. I'd like information regarding who designed the course, and also any details regarding the utilisation and deployment of Emergency Fire Crew Capability personnel since its inception.*

**Response:**

*I'd like all the information LFB holds with regards to the Emergency Fire Crew Capability services contract with Securitas.*

The LFB publish details of all current contracts currently in place as a result of a tendering processes via the London Datastore. The information can be accessed via the following link:

<https://data.london.gov.uk/dataset/lfepa-procurement-information---current-contracts?q=contr>

If you download the '[LFB List of contracts at end December 2023](#)' spreadsheet, the Operational Contingency Arrangements contract information can be located under 'Ref no' 7040.

Further detailed information about the contract can be found on the '[Our Decisions](#)' page of the LFB website, here: <https://www.london-fire.gov.uk/media/5389/lfc-0363-contract-extension-request.pdf>

*I'd like to receive all information on training packages, specifically the course content and any information regarding the composition of training and the appropriateness of the training in relation to the envisaged role of Emergency Fire Crew Capability recruits. I'd like the full course itinerary broken down into modules, what those modules cover, and the time the recruits and trainers spend learning/teaching each module/section of the course. I'd like information regarding who designed the course.*

In addition to the training information included in the '[Contract Extension Request Emergency Fire Crew Capability Services](#)' report in the '[Our Decisions](#)' page of the LFB website, I have attached the '*Appendix 6 – Development Standards and Example Training Programme for EFCC*' referred to in the 2014 contact with Securitas to this response.

The Contractor is responsible for training, the contract states:

*"The Contractor is responsible for ensuring that their Service Personnel are provided with all training required in order to achieve the training outcomes identified and ensure supervisory competence [as set out in Appendix 6 of the Specification]."*

*The Contractor shall provide training to their Service Personnel that meets the output requirements of Appendix 6. The training programme identified in Appendix 6 to the Invitation to Tender is provided and must be accepted as an example only."*

*Any details regarding the utilisation and deployment of Emergency Fire Crew Capability personnel since its inception.*

Details of any strike dates can be found in the "[news](#)" section of the LFB website. The most recent strike took place in June 2014, prior to the contact with Securitas: <https://www.london-fire.gov.uk/news/2014-news/fourteenth-fbu-strike-ends/>

We have dealt with your request under the Freedom of Information Act 2000. For more information about this process please see the guidance we publish about making a request [on our website](#).



LONDON FIRE  
AND EMERGENCY  
PLANNING AUTHORITY

**Agreement for the  
Provision of Emergency  
Fire Crew Capability Services  
Part 1**

Date: October 2014  
Reference: PROC/MPU/5505/13

## Appendix 6 – Development Standards and Example Training Programme for EFCC

### Introduction

To ensure that Service Personnel are safe **to work within the operating framework as set out in the Concept of Operations**, any training programme shall objectively measure an individual's ability to perform to a consistent standard no matter where such training takes place.

National Occupational Standards for all Fire and Rescue Service Roles have already been established and therefore it makes sense that the development modules relating to the roles applicable to the Service Personnel are used as the foundation for training and development. **These should be specifically tailored to meet the level of emergency cover and span of delivery to be provided by the EFCC.**

The Development Modules are **to be used as a basis to specifically tailor training of Service Personnel to meet the level of emergency cover and span of EFCC to be provided under the Agreement.** The modules relate to those roles as set out on Appendix 5 and are detailed below:

<b>Personal Development</b>
<p><b>Scope:</b> This module is about skills of communication and effective working relationships with internal and external contacts. It includes the development of a positive attitude, approach and presentation of self to others in line with policies, practice and goals of the organisation.</p>
<p><b>Skill Objectives:</b></p> <p><u>Managing self</u> Demonstrate by example how to effectively manage and execute personal work responsibilities on a day to day basis, ensuring achievement of allocated work objectives, personal admin and presentation of the required image of the organisation. Work as an effective team member, balancing personal needs with those of others.</p> <p><u>Managing self development</u> Take personal responsibility for continuous improvement of performance, taking account of feedback from others.</p> <p><u>Communication skills</u> Develop and maintain clear, direct, assertive and effective communication with teams and individuals, taking account of context, priority, style and nature of communication. This includes one to one and group communication with both internal and external contacts and the use of written, verbal and non-verbal communication.</p> <p><u>Managing conflict</u> Identify a range of potential and actual conflict situations and act promptly to diffuse and resolve, using a range of interpersonal strategies.</p>
<p><b>Knowledge Objectives:</b></p> <p><u>Communication styles and methods</u> The range of communication styles and methods and the factors influencing their use. The impact of providing inappropriate or incorrect information.</p> <p><u>Lines of communication</u> Expected and accepted lines of communication in the workplace, and the importance of their effective use.</p> <p><u>Relevant policies and legislation</u></p>

The importance of operating within policies for equality, fairness and anti-discrimination in all communication with others. The impact of incorrect or inappropriate communication style, language or method.

### **Health, Safety and Risk Management**

#### **Scope:**

This module is about skills of risk assessment and risk management in all working environments. It includes the ability to identify and manage hazards and risks in line with external regulations and organisational policy and the formal recording systems relating to role

#### **Skill Objectives:**

##### Risk Assessment

Identify hazards and actual and potential risks in the workplace which affect people, property and environment. This includes stations, incidents and community based work activities.

##### Risk Management

Manage hazards and actual and potential risks in the workplace which affect people, property and the environment to achieve objectives. Promote a positive health, safety and welfare culture. Gain the commitment of people to health, safety and welfare. How to make and apply decisions based on dynamic risk assessment.

##### Problem Solving

Identify, recognise and action factors arising from risk assessment and risk management. This involves making use of appropriate support services and implementing relevant control measures.

#### **Knowledge Objectives:**

##### External regulations and requirements

Understand the general requirements and relevant implications of external regulations and requirements for workplace risk management.

##### Internal policies and practices

Occupational health policy and practice, the support services which relate to health, safety and welfare of personnel. Factors arising from assessment of hazard and risk - to include signs, symptoms of stress or fatigue adversely affecting the environment, factors affecting the community, defective or deficient equipment, insufficient resources, or irrelevant systems of work.

##### Control measures

Range of control measures and their appropriate use and application in the workplace

### **Environmental Risks and Control**

#### **Scope:**

This module is about the ability to proactively identify and manage hazards and risks to the environment which may arise from operational and other activities.

#### **Skill Objectives:**

See related modules

#### **Knowledge Objectives:**

See related modules

### **Hazards and Risks – Buildings and Structures**

#### **Scope:**

This module is about developing the relevant level of knowledge and understanding concerning:  
Range of buildings and types of structure  
Range of materials used in buildings and structures  
The hazards and risks associated with different types of building construction

The range of services and systems to be found in buildings and structures for fire and safety protection, both active and passive.

Operational considerations for a range of incidents where active and passive systems are in place

It is suggested that this module includes a number of "sessions" - each capable of being accessed/delivered as a stand alone section.

These will include:

Common hazards and risks in buildings and structures, including ground, high level and underground

Specific hazards and risks in each of the three locations above

Methods of entry and access to buildings and structures

**Skill Objectives:**

Managing hazards and risks in buildings and structures

Identify potential and actual common hazards and risks associated with buildings and structures.

This will include those relating to type of structure, type of building material, purpose/content of building, location of building and various combinations of these elements

Identify potential and actual specific hazards and risks associated with buildings and structures which are:

at high level

underground

demonstrate a range of methods of gaining access/entry to buildings and structures, in accordance with relevant regulations

**Knowledge Objectives:**

Types of hazards and risks associated with building structures

Types of hazards and risks associated with a range of construction materials

Action and control measures associated with management of risk in buildings and structures

Methods of gaining access and entry to buildings and structures

Legislation and regulations relating to access/entry to buildings and structure

Types of activities and passive safety systems in a range of buildings and structures - and how they may affect incident operations

Types of hazards and risks specific to underground structures

Types of hazards and risks specific to high level structures

**Dealing with Transport Incidents**

**Scope:**

This module is about developing the relevant level of skills, knowledge and understanding to enable effective response to a wide range of incidents involving transport. It is suggested that this module includes a number of "sessions", each capable of being accessed/delivered as a stand alone section. These will include:

Common hazards and risks within incidents involving transport

The common range of equipment and resources used at incidents involving transport

Specific hazards and risks within rail transport incidents

Specific hazards and risks within aircraft/airport transport incidents

Specific hazards and risks within motor transport incidents

Specialist equipment/resources that is most often used at each of the transport incident types above

Operational considerations and methods and techniques of resolving transport incidents

PPE at transport incidents

**Skill Objectives:**

Managing specific hazards and risks involved in transport incidents:

Identify potential and actual hazards and risks associated with -

- a) rail incidents
- b) aircraft/airport
- c) motor
- d) waterways

Demonstrate a range of methods of controlling and minimising risk to self and others in respect of specific transport incidents

Demonstrate use and obtaining access to types of equipment and resources appropriate to specific transport incidents

**Knowledge Objectives:**

Types of hazards and risks associated with transport incidents - rail, air, waterway, motor vehicle

Action and control measures associated with management of risk in transport incidents

Capabilities and limitations of types of equipment used at transport-related incidents

Capabilities and limitations of equipment specific to use at rail, air, waterway or motor vehicle

How to access additional resources to support response to incidents involving transport - limits of authority

Lines and methods of communication at the incident ground

**Dealing with Fire Incidents**

**Scope:**

This module is about developing the relevant level of skills, knowledge and understanding to enable effective response to incidents involving fire.

It is suggested that this module includes a number of "sessions", each capable of being accessed/delivered as a stand alone section. These will include:

Hazards and risks within incidents involving fire, including those affecting the environment

Range, type and purpose of extinguishing media, agents and techniques

The range of equipment and resources used at incidents involving fire

Behaviour of fire

Personal protective equipment at fire incidents

Range of equipment used at fire incidents

**Skill Objectives:**

Managing common hazards and risks involved in fire incidents:

Identify hazards and risks associated with fire incidents

Demonstrate appropriate methods and techniques to minimise risks to self and others in relation to common hazards and risks associated with fire incidents

Demonstrate use of range of equipment and resources used in fire incidents

Predict and estimate the likely behaviour of fire for each of a range of given scenarios - each involving a combination of structural, material and combustible item components

**Knowledge Objectives:**

Types of hazards and risks associated with fire incidents

Action and control measures associated with management of risk in fire incidents

Capabilities and limitations of types of equipment used at fire incidents

How to access additional resources to support response to incidents involving fire - limits of authority

Characteristics, development and behaviour of a range of fire; to include working knowledge of  
- the combustion process within a range of fires and the contribution made by different fuels to fire growth and development

- the positive and negative effects of elements of structure upon fire development

- characteristics and effects of flashover and backdraught conditions

- methods and effects of ventilation on the development of a range of fires

- control measures and actions to minimise risk in fire situations

- roles, responsibilities and limits of authority of self and of crew members at fire incidents
- lines and methods of communication at the fire ground

### Dealing with HAZMAT Incidents

#### Scope:

This module is about developing the relevant level of skills, knowledge and understanding to enable effective response to incidents involving hazardous materials. It is suggested that this module includes a number of "sessions", each capable of being accessed/delivered as a stand alone section.

These will include:

- Hazards and risks within incidents involving hazardous materials and their impact on their environment
- Range, type and purpose of media, agenda and techniques for dealing with hazardous materials
- The range of equipment and resources used at incidents involving hazardous materials
- Personal protective equipment at incidents involving hazardous materials
- Range of equipment used at incidents involving hazardous materials
- Decontamination methods

#### Skill Objectives:

- Managing hazards and risks involved in hazardous materials incidents:
- Identify hazards and risks associated with hazardous materials incidents
- Demonstrate appropriate methods and techniques to minimise risks to self and others in relation to hazards and risks associated with hazardous materials incidents
- Demonstrate use of range of equipment and resources used in hazardous materials incidents
- Identify actual or potential hazardous materials through labelling
- Demonstrate appropriate control measures to deal with hazards and risks to the environment
- Demonstrate appropriate use of PPE at hazardous materials incidents

#### Knowledge Objectives:

- Types of common hazards and risks associated with hazardous materials incidents
- Action and control measures associated with management of risk in hazardous materials incidents
- Correct use, capabilities and limitations of common types of equipment used at hazardous materials incidents
- How to access additional resources to support response to incidents involving hazardous materials - limits of authority
- Lines and methods of communication at the incident ground
- Types of hazardous materials and common labelling
- Decontamination methods - roles and responsibilities
- The type and range of situations which would require specialist support and advice in respect of hazardous materials incidents
- Limits of personal authority and action in hazardous materials incidents

### Save and Rescue Endangered Life

#### Scope:

This module is about developing the relevant level of skills, knowledge and understanding to enable effective response to incidents involving rescue objectives. It is suggested that this module includes a number of "sessions", each capable of being accessed/delivered as a stand alone section.

These will include:

- Common hazards and risks within incidents involving rescue
- Range, type and appropriate use of search techniques
- Range, type and appropriate use of rescue techniques
- The common range of equipment and resources used at incidents involving rescue
- Personal protective equipment at incidents involving rescue



**Skill Objectives:**

Managing common hazards and risks involved in rescue operations:

Identify potential and actual common hazards and risks associated with rescue operations  
 Demonstrate appropriate methods and techniques to minimise risks to self and others in relation to common hazards and risks associated with rescue operations  
 Demonstrate use of common range of equipment and resources used in rescue operations

**Knowledge Objectives:**

Types of common hazards and risks associated with rescue operations  
 Action and control measures associated with management of risks in rescue operations  
 Correct use, capabilities and limitations of common types of equipment used at rescue operations  
 How to access additional resources to support response to rescue operations - limits of authority  
 Lines and methods of communication at the incident ground  
 Types of rescue operations  
 The type and range of situations which would require specialist support and advice in respect of rescue operations  
 Limits of personal authority and action in rescue operations

**Treat Casualties and Support People at Incidents****Scope:**

This module is about developing the relevant level of skills, knowledge and understanding to enable effective response to immediate treatment of casualties and support of people involved in incidents. This module will include:

Range, type and appropriate use of immediate casualty treatment techniques  
 Roles, responsibilities and limits of authority and action in relation to treatment of casualties at incidents  
 Range, type and access to specialist support for casualties at incidents  
 Methods and techniques for supporting people involved in incidents  
 Range of PPE used when treating casualties

**Skill Objectives:**

Immediate casualty care  
 Assess urgency of response to located casualty. Provide appropriate immediate treatment to minimise risk and preserve life. Obtain relevant specialist assistance. Inform, advise, support and calm a range of people involved in incidents including those under stress and other members of the public. Provide immediate casualty care with due regard for hazards and risks present at the incident. Provide support to team, colleagues, other agencies and people involved in incidents with due regard for prevalent hazards and risks

**Knowledge Objectives:**

Action and control measures associated with treatment of casualties, including PPE  
 Capabilities and limitations of types of equipment and materials used for casualty treatment  
 How to access additional resources to support treatment of casualties - limits of authority  
 Lines and methods of communication at the incident ground  
 How to recognise injuries and casualty situations which require additional or specialist support  
 The type and range of situations which would require specialist support and advice in respect of treatment of casualties  
 Limits of personal authority in respect of contact with press and media at incidents  
 Methods and techniques for supporting distressed people

**Maintaining Internal Resources****Scope:**

This module is about developing the relevant level of skills, knowledge and understanding. In relation to standard tests, general maintenance of operational and service equipment and access to emergency water supplies and includes:

- checking
  - testing
  - conducting routine maintenance
- This includes operational appliances and PPE

**Skill Objectives:**  
 Conduct routine maintenance on a range of station based equipment  
 Report and complete records relating to routine maintenance

**Knowledge Objectives:**  
 Types of equipment and methods of routine maintenance  
 Range of tests to be conducted on service equipment and how to conduct them  
 Personal role and responsibilities in the conduct of maintenance  
 Types of records associated with testing and routine maintenance and how to complete them  
 How to report defects and deficiencies  
 Sources and access to consumables and additional resources

**Drive Operational Vehicles**

**Scope:**  
 Types of common hazards and risks associated with rescue operations  
 Action and control measures associated with management of risks in rescue operations  
 Correct use, capabilities and limitations of common types of equipment used at rescue operations  
 How to access additional resources to support response to rescue operations - limits of authority  
 Lines and methods of communication at the incident ground  
 Types of rescue operations  
 The type and range of situations which would require specialist support and advice in respect of rescue operations  
 Limits of personal authority and action in rescue operations

**Skill Objectives:**  
 Drive emergency vehicles to an incident, with due regard for safety and urgency of event  
 Site vehicles at incidents with due regard for safety, access and egress  
 Re-deploy vehicles

**Knowledge Objectives:**  
 Types and range of emergency vehicles and approvals required for driving  
 Capabilities and limitations of operational vehicles to be driven  
 Dimensions of operational vehicles to be driven  
 Accident, damage and defect reporting procedures  
 Roles, responsibilities and limits of authority  
 Requirements for operational response of vehicles  
 Road Traffic Act and exemptions in respect of emergency vehicles  
 regulations and requirements in respect of use of warning devices  
 How to plan optimum routes to events  
 How to access information on level topography

**Support the Development of Colleagues**

**Scope:**  
 This module is about providing support to colleagues in this workplace to assist with their development. It may include preparing materials to brief and develop colleagues on a specific subject of personal experience or expertise. It may also include preparing hand-outs and supporting materials to assist learning with groups

**Skill Objectives:**  
Mentoring, guiding and coaching  
 Provide on-job support to individuals and groups. Support new personnel as part of induction.  
 Providing support on specific areas of expertise. Use of learning aids to illustrate key points.  
 Work at pace, style and level suitable to learner's needs

Facilitation and feedback skills

Assist colleagues individually or in groups, in formal or informal settings to develop skills and knowledge

**Knowledge Objectives:**

How to prepare a short lesson plan with clear objectives and supporting materials

How to present information clearly to assist learning

How to modify facilitation skills to maximise learning by individuals

How to recognise opportunities to support learning and development in the workplace

How to confirm that learning objectives are met

**Leadership Skills 1 (Supervisory Role)**

**Scope:**

This module is about leading and supporting your team in the workplace. This will include both operational and non-operational contexts. It will also include working with allied agencies

**Skill Objectives:**

Analytical skills

Collect and interpret information from all available sources to make sound and realistic judgements and plans for allocation of your people resources to meet specified objectives. Review the outcomes of achievements against objectives to inform future practice.

Planning skills

Prepare plans which make best use of resources available and allow for contingencies. This should include setting individual and team objectives, and scheduling activities to meet time and resource constraints.

Achieving results

Inform, motivate, support and monitor people's performance against objectives. Prioritise to meet unanticipated change. Manage and allocate physical resources to achieve initial and changing objectives

**Knowledge Objectives:**

How to plan actions, including use of resources, for both operational and non-operational contexts

Internal and external regulations and requirements that will impact on your plans and their implementation

Methods and techniques of involving and motivating individuals and teams

How to set realistic objectives for operational and non-operational contexts

Lines and methods of communication in operational and non-operational contexts

Your organisation's requirements for information, documentation and recording systems

Planning, problem solving and decision making methods and techniques

**Incident Command 1 – Initial Response and Management (Supervisory Role)**

**Scope:**

This module includes skills involved in planning and managing operational incidents. This includes pre-planning, implementation of plans and adjustment of plans to meet changing priorities of the incident.

**Skill Objectives:**

Analytical skills

Collect, confirm and interpret information to develop a plan of action which will meet specified objectives. This includes information concerning the initial objectives, progress, use of resources, performance of people and resolution of incident.

Planning skills

Develop realistic plans which take account of contingencies to meet objectives.

Prioritising skills

Continuously review information and adjust plans to meet changing needs of incidents. Make sound judgements regarding priorities for action.

Communication skills

Focus on facts and communication clear, direct and assertive information and directions in actual or potential crisis situations.

Decision-making skills

Make sound judgements and decisions, using all relevant information in timescales appropriate to the urgency of the incident.

**Knowledge Objectives:**

The incident command system and role within it  
Operational procedures (including Service and Brigade orders)  
Lines and methods of communication on the incident ground  
Sources of information relating to incidents and their progress  
Hazards and risks of the incident ground  
Importance of limiting damage to people, property and the environment  
The impact of providing incorrect or inappropriate information  
How to match resources to the needs of the incident  
How to recognise and manage signs and symptoms of stress and distress  
Range uses, capabilities and limitations of operational appliances and equipment  
Roles and responsibilities of self, crew, other organisation personnel and other agencies at the incident ground  
Types of evidence and the importance of preserving it at the incident ground  
Availability of and access to internal and external agencies and support

**Investigation Techniques (Supervisory Role)**

**Scope:**

This module covers skills and techniques required in respect of investigations undertaken in your role. This may include investigations of incidents, fire safety, accidents, discipline and welfare. It will include informal and formal investigations

**Skill Objectives:**

Analytical skills

Collect and interpret information. Make sound judgements, draw realistic conclusions and make recommendations to assist with the investigation. Information will be obtained through interviews, existing documentation, observation and physical evidence.

Questioning skills

Use a range of questioning styles and techniques to elicit information relevant to the purpose of the investigation.

Communication skills

Present results of investigations in written or verbal format as appropriate to the type and purpose of investigation

**Knowledge Objectives:**

The range and type of investigations which you have responsibility and authority to undertake yourself and/or contribute to  
Procedures and requirements for undertaking and investigation  
Relevant internal and external requirements and legislation  
Types of evidence and its importance  
How to identify and preserve evidence  
Recording systems relevant to investigations and how to use them  
Sources, availability and access to information to support investigations  
How to treat colleagues and members of the public with respect, taking account of, and accepting diversity  
Hazards and risks of the workplace affecting people and the environment

Lines and methods of communication in the workplace, including the incident ground  
Roles, responsibilities and limits of authority of self, others and other agencies in conduct of investigations

### **Presentation skills (Supervisory Role)**

#### **Scope:**

This module is about the ability to present a range of information in a variety of formats to individuals, teams and community groups. This will include presentations for the purpose of informing, advising, educating, motivating or developing people and presenting recommendations and conclusions.

#### **Skill Objectives:**

##### Planning

Apply a range of presentation methods and techniques. Selecting presentation methods, techniques which are fit for purpose. Use the range of presentation equipment which is available within your area of operating to best effect. Select and prepare presentation environments which match the purpose of the presentation, the needs of the audience, and meet health, safety, security and environmental requirements. Prepare presentation materials which are clear, relevant and support the purpose of the presentation.

##### Communication

Present information and advice clearly, adopting appropriate communication style and using a range of presentation techniques

#### **Knowledge Objectives**

##### Presentation methods and techniques

Including one and group, formal and informal, verbal and written, using technology-based presentation aids.

##### Purposes of presentations

Information giving, motivating, educating and developing people, presenting recommendations and conclusions.

##### Presentation equipment and its use

Including whiteboards, flip charts, OHP, other visual aids, IT systems, audio-visual, demonstration aids

##### Planning and preparing

How to prepare presentations and supporting materials which meet the needs of your intended audience.

### **Example Training Programme**

This document details an 11-day training programme that *may* be considered for use by the Contractor to train their Service Personnel in readiness to provide operational cover when the Authority's resources are unavailable and/or significantly depleted. It is presented as an example and it is the learning outcomes and demonstration of competence of EFCC that potential contractors must satisfy. It is assumed that personnel attending this course would either have:

- 1 no previous fire fighting experience or
- 2 previous but not recent fire fighting experience, i.e., retired firefighters, existing firefighters in non-front line jobs or senior officers. NB: It is recommended that these staff undertake sessions 1 to 22 and 34 to 49 below as a minimum.

The course profile is based upon an 08:00 – 17:00hrs training day and includes a 1-hour lunch break and 2 x 15 minute tea breaks. This gives a maximum training time of 450 minutes per day.

The programme has been designed to address the training needs of the firefighter, motor driver (MD) and Supervisory roles. This has been achieved by tailoring the schedule so that the motor drivers and Supervisory staff receive additional periods of training associated with their specific roles. This divergence from the core syllabus, which occurs on day 5, 6 and 7, is scheduled to coincide with the Breathing Apparatus skills training sessions that are only undertaken by the staff performing the emergency fire crew role. This ensures that all training is completed within the 11-day programme. NB: The training syllabus for the motor driver and supervisory roles are attached as Appendix A and Appendix B respectively.

The programme defines the course outcomes for each of the training sessions detailed in the syllabus.

Contractor programmes must be based on established practices and procedures supported by relevant current and up to date published guidance available in technical bulletins, fire and rescue service circulars, fire and rescue service manuals and operational generic risk assessments.

The programme also includes a 3-hour period of 'consolidation' training, which can be utilised by the Trainer(s) to address any individual and/or team needs that may arise. This has been scheduled on day-8 when the motor drivers and supervisory officers re-join the main group of trainees.

### Example course overview & anticipated resource requirements

#### Day 1

Session number	Subject	Time allocated	Resource requirements
1	Manual handling	45 mins	1 Classroom, 1 General Trainer
2	Dynamic Risk Assessment (DRA)	60 mins	1 Classroom, 1 General Trainer
3	Intro to pumping appliance	75 mins	1 Appliance, 1 General Trainer, 1 Yard
4	Hydrants	45 mins	1 General Trainer, 1 Yard, Hydrant key and Bar, 2 Hoses 70mm, 2 Branches
5	Hose and Fittings & Augment supply	105 mins	1 General Trainer, 1 Yard, 1 Appliance (Stowed)
6	Pumps & Pumping with delivery hose	120 mins	1 General Trainer, 1 Appliance, 1 Yard

**Day 2**

Session number	Subject	Time allocated	Resource requirements
7	Pump & Pumping with high pressure hose reel	90mins	1 General Trainer, 1 Appliance, 1 Yard
8	Working with open Water	60 mins	1 General Trainer, 1 Yard, 12 PFD, 6 safety lines
8a	Open Water supplies (inc related Knots & Lines)	90mins	1 General Trainer, 1 Yard with deep lift pit, 1 Appliance (Stowed)
9	Pumping exercise	60 mins	1 General Trainer, 1 Yard, 1 Appliance
10	Hand held radio	60 mins	1 General Trainer, 1 Classroom, 13 Hand-Held Radios
11	Basic knots & lines	90mins	1 General Trainer, 1 Yard, 13 Short Lengths of Line

**Day 3**

Session number	Subject	Time allocated	Resource requirements
12	Introduction to ladders including slipping and pitching	60mins	1 General Trainer, 1 Yard, 1 Tower, 1 Appliance, Ladders (TBC)
13	Basic ladder drills (Session 1)	130mins	1 General Trainer, 1 Yard, 1 Tower, 1 Appliance, Ladders (TBC)
14	Basic ladder drills (session 2)	130mins	1 General Trainer, 1 Yard, 1 Tower, 1 Appliance, Ladders (TBC)
15	Ladder climbing/ descending	130mins	2 General Trainers 1 Yard, 1 Tower, 1 Appliance, Ladders (TBC)

**Day 4**

Session number	Subject	Time allocated	Resource requirements
16	Hauling Hose	120mins	2 General Trainers, 1 Yard, 1 Tower, 1 Appliance
17	Combined exercises with debrief	120mins	2 General Trainers, 1 Yard, 1 Tower, 1 Appliance
18	Breaking in equipment	45mins	1 General Trainer, Breaking in Equipment, 1 Yard
19	High Rise Procedure	60mins	1 General Trainer, 1 Tower, 1 Appliance
20	Building Construction – signs and symptoms of collapse	60mins	1 General Trainer, 1 Classroom
21	Fire investigation	45mins	1 General Trainer, 1 Classroom

**Day 5**

Session number	Subject	Time allocated	Resource requirements
22	Casualty Handling	60 mins	1 General Trainer, 1 Yard, Training Dummies –Infant, Adolescent and Adult
23A	BA - Intro to set	120mins	1 BA Trainer, 13 BA, 13 Cylinders, Maintenance Room
24A	BA – maintenance	120mins	2 BA Trainers, 13 BA, 13 Cylinders, Maintenance Room
25A	BA – Wearers Guidance	150mins	2 BA Trainers, 13 BA, 13 Cylinders, Maintenance Room and Yard

**Day 6**

Session number	Subject	Time allocated	Resource requirements
26A	BA - Fire fighting tactics 1	120mins	2 BA Trainers, 13 BA, 13 Cylinders, Maintenance Room and Yard, BA Chamber/Training area
27A	BA - Fire fighting tactics 2	105mins	2 BA Trainers, 13 BA, 13 Cylinders, Maintenance Room and Yard, BA Chamber/Training area
28A	BA – Exercise 1	120mins	2 BA Trainers, 13 BA, 13 Cylinders, Maintenance Room and Yard, BA Chamber/Training area
29A	BA Fire Science/ Basements	105mins	1 BA Trainer, Classroom, 'Aquarium' Demonstrator or equivalent.

**Day 7**

Session number	Subject	Time allocated	Resource requirements
30A	BA - Exercise 2 (Refresher/Consolidation)	150mins	2 BA Trainers, 13 BA, 13 Cylinders, Maintenance Room and Yard, BA Chamber/Training area
32A	BA Exercise RFT hot wear	150mins	4 BA Trainers, 16 BA, 16 Cylinders, Maintenance Room and Yard, BA Chamber/Training area
33A	BA Exercise RFT hot wear	150mins	4 BA Trainers, 16 BA, 16 Cylinders, Maintenance Room and Yard, BA Chamber/Training area

**Day 8**

Session number	Subject	Time allocated	Resource requirements
34	Haz Mat (Hazardous Materials) knowledge - intro and procedures	120mins	1 Hazmat Trainer, 1 Classroom, 1 Environmental Grab Pack
35	Haz Mat Information	120mins	1 Hazmat Trainer, 1 Classroom, 1 Haz Info Board, 1 appliances, 1 training area
36	Welfare and Counselling	30 mins	1 General Trainer, Classroom
37	Consolidation training	180 mins	As determined by the Trainer(s).



**Day 9**

Session number	Subject	Time allocated	Resource requirements
38	Road Traffic Collision (RTC) - Knowledge session	90mins	1 RTC Trainer, 1 Classroom
39	RTC - Vehicle stabilisation	120mins	1 RTC Trainer, 1 Yard (RTA area) 1 Vehicle, 1RTA Toolkit, 2 RTA Blocks
40	RTC - Tool Familiarisation	120mins	2 RTC Trainers, 1 Yard (RTA Area) 1 Vehicle complete RTA tools, 1 Appliance (RTA)
41	RTC Techniques	120mins	2 RTC Trainers, 1 Yard (RTA Area) 1 Vehicle complete RTA tools, 1 Appliance (RTA)

**Day 10**

Session number	Subject	Time allocated	Resource requirements
42	RTC Refresher	120mins	2 RTC Trainers, 1 Yard (RTA Area) 1 Vehicle complete RTA tools, 1 Appliance (RTA), One car
43	RTC Exercise	105mins	2 RTC Trainers, 1 Yard (RTA Area) 3 Vehicles complete RTA tools, 1 Appliance (RTA), One car
44	Cylinder knowledge	120mins	1 General Trainer, 1 Classroom, 1 T.I.C
45	Extinguishers	105mins	1 General Trainer, 1 yard, fire extinguishers

**Day 11**

Session number	Subject	Time allocated	Resource requirements
46	Consolidation exercise/s – number 1 (pumps, ladders, BA, open water)	135mins	2 General Trainers, 1 Yard, 1 Tower, 2 Appliances, 12 BA, 12 Cylinders,1 Maintenance room, 1 Deep Lift Pit (Optional)
47	Debrief (including ITN)	90mins	1 General Trainer, 1 Classroom
48	Consolidation exercise/s – number 2 (pumps, ladders, BA, hot wear)	135mins	2 General Trainers, 1 Yard, 1 Tower, 2 Appliances, 12 BA, 12 Cylinders,1 Maintenance room, 1 Deep Lift Pit (Optional)
49	Final debrief	90mins	1 General Trainer, 1 Classroom

## Course Training Outcomes

### Day 1

#### **Session 1. Manual handling**

At the end of this session you will have the necessary skills, knowledge and understanding in order to:

1. Describe the importance of safe manual handling techniques,
2. Demonstrate the correct principles of safe manual handling,

#### **Session 2. Health & Safety and Dynamic Risk Assessment (DRA)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **H&S, risk identification and DRA** in order to:

1. Define the term Dynamic Risk Assessment (DRA),
2. Describe the use of Operational Generic Risk Assessments in carrying out DRA.
3. State what is meant by the term Health & Safety (H&S),
4. Define the term Hazard,
5. Define the term Risk
6. Describe how Hazards and Risks that affect the safety of the individual and others can be identified.
7. Describe the 'Safe Person' concept.
8. State why it is necessary to notify all affected personnel of any identified Hazard.
9. Identify and describe the Hazards and Risks present in a number of given situations. (Dynamic Risk Assessment).
10. List the responsibilities that employers & employees have with regards to H&S.
11. Identify and describe the Hazards & Risks present in a number of given situations.

#### **Session 3. Intro to pumping appliances (inc. mount/dismount)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding a fire appliance in order to:

1. Demonstrate how to engage the PTO and fire pump.
2. Demonstrate the correct use of the slide and tilt shelves and carriers (if fitted).
3. Demonstrate how to operate the lighting mast & portable lighting units (if carried).
4. Demonstrate how to safely mount and dismount an appliance.
5. Demonstrate how to use the ext. air outlets (if fitted).
6. Undertake an appliance inventory.
7. Explain the procedure to be followed if a defective item of equipment is identified.

#### **Session 4. Hydrants**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **hydrants** in order to:

1. Identify the location of a hydrant.
2. Explain how to recognise & interpret the information on the hydrant plate.
3. Demonstrate how to set into a hydrant and operate it.

#### **Session 5. Hose and Fittings & Augment supply (soft suction- include-operating a branch from hydrant)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **hose** in order to:

1. List the advantages and disadvantages of main jets and hose reels.
2. Explain how hose is used in conjunction with other equipment.
3. Explain the time limits involved when using main jets and hose reels from the appliance.
4. Describe the hose fittings and branches carried on front line appliances and their use.
5. Describe the adaptors for use with hose and branches and their use.

Demonstrate the following tasks:

1. The correct method of carrying a hose, with and without a branch.
2. Safely and effectively connecting and disconnect lengths of hose.
3. Safely and effectively connecting and disconnecting hose to fittings and branches.
4. How to run out lengths of Dutch rolled hose.
5. How to under run and make up a length of hose.
6. The safe and effective use of hose ramps.
7. The correct method of holding a charged branch.
8. How to operate a branch.
9. The correct method of manoeuvring a charged length of hose.

### ***Session 6. Pumps & Pumping with delivery hose***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **practical pumping** in order to demonstrate the following:

1. As part of a crew, safely and effectively get a main jet to work from a Brigade pump.
2. Operate a pump from the hose reel tank and augment the supply from a hydrant.
3. How to add a length hose and/or replace burst length of hose.
4. Correct procedures to deal with a burst hydrants length.
5. The correct orders and hand signals to complete all tasks.
6. The safe and effective make up and stowage of all equipment.

## **Day 2**

### ***Session 7. Pump & Pumping with high pressure hose reel***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **practical pumping** in order to demonstrate the following:

1. The correct method of carrying a line of hose reel.
2. Operate a hose reel branch.
3. How to disconnect and connect a hose reel coupling.
4. The method of laying out a hose reel to a fire.
5. The method of making up a line of hose reel tubing.
6. As part of a crew, safely and effectively get a hose reel to work from a Brigade pump.
7. The correct orders and hand signals to complete all tasks.
8. How to make up and stow all equipment used.

### ***Session 8. Working with Open Water***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **working with open water supplies** in order to:

1. List the health hazards associated with working with open water supplies,
2. List the physical hazards associated with working with open water supplies,
3. List the safety measures that need to be considered when working with open water supplies,
4. Demonstrate the correct method of donning the Personal Flotation Device (PFD)/ Life jacket,
5. Demonstrate the correct method of attaching a safety line to the PFD/Life jacket.
6. Demonstrate the correct methods of deploying a throw line. (if carried)

### ***Session 8a. Open Water supplies (Inc related Knots & Lines)***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **open water supplies** in order to:

1. Explain the safe working practices when pumping from an open water supply.
2. Demonstrate the safe removal from the appliance and carrying of the Light Portable pump (LPP),
3. Demonstrate how to connect and secure lengths of hard suction and a suction strainer to a pump ready to lift from open water (both major & LPP).
4. Demonstrate how to attach a basket strainer to a line of hard suction.
5. Demonstrate how to achieve a lift from open water (fire appliance pump)
6. Demonstrate how to achieve a lift from open water (light weight pump)
7. Demonstrate the correct hand signals for 'Water on'/'knock off' and increase and decrease pressure.

### ***Session 9. Pumping exercise (1 hour)***

Fire Service Training Manual Drills:

1. P1 – to get one hose-reel to work with a crew of four
2. P2 – to extend a hose reel when only one hose reel is in use
3. P4 – to augment the supply of water from a hydrant with a crew of four.

### ***Session 10. Hand held radio & Communications (1 hour)***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **hand held radios/messages** in order to explain:

2. The types of hand held radios in use and how they are employed.
3. The Phonetic alphabet.
4. The different use of the various radio channels.
5. How to remove and replace the hand held radio battery.
6. The recharging/battery management procedure.
7. How to carry out a 'range test'.

In addition to the above at the end of the session you will have the necessary skills, knowledge and understanding regarding **hand held radios/messages** in order to:

- 1 Demonstrate the correct use of the hand held radio using the correct radio channel and terminology.

## **11. Basic knots & lines**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **Knots and lines** in order to demonstrate the following knots:

1. Overhand,
2. Half hitch,
3. Reef Knot
4. Clove hitch,
5. Rolling hitch,
6. Round turn and two half hitches,
7. Double sheet bend,
8. Bowline, and
9. Running Bowline

### **Day 3**

#### ***Session 12. Introduction to ladders***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **ladders** in order to explain:

1. The safe working practices when using the following ladders: (The ladders to be used will be determined by the Authority).
2. Ladder terminology,
3. The terms 'pawls', 'step in' and 'step out'.
4. The circumstances in which a person may be assisted down a ladder.
5. The safety precautions that need to be considered when assisting a person down a ladder.
6. The requirement for a leg lock,
7. The requirement for using a hose becket.

#### ***Session 13. Basic ladder drills – Extension Ladder***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **ladders** in order to demonstrate:

1. The correct and safe use of ladder gantries.
2. The slipping of the ladders from the appliance.
3. The correct carrying and positioning of the ladders
4. A standard pitch of the ladders
5. A confined space pitch of the ladders.
6. The correct use of words of command when pitching a ladder
7. How to brace and foot the ladder.
8. How to make up and stow the ladder on the appliance.

#### ***Session 14. Basic ladder drills - Extension Ladder (cont.)***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **ladders** in order to demonstrate:

- 1 As detailed for Session 13 (but possibly using a different Ext. Ladder - as defined by the Authority) NB: if the Authority decides to only utilise one type of extension ladder this period can be used to consolidate the practical training given in session 13.

### ***Session 15. Ladder climbing/ descending (to include leg lock)***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **ladders** in order to demonstrate:

1. The correct method of climbing and descending the ladder.
2. How to take a leg-lock,
3. How to secure a hose becket to a ladder.
4. The safe and effective mount/dismount techniques for pitches underneath a sill.
5. The position you should adopt at the head of the ladder in preparation for assist down.
6. The mounting and dismounting the head of the ladder in both the seated and standing positions.
7. How to assist: i) a conscious person down a ladder; ii) an unconscious youth down a ladder; iii) an unconscious infant down a ladder.

### **Day 4**

### ***Session 16. Hauling hose aloft***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **hauling hose aloft** in order to:

1. Explain the safe working practices when working hauling items of equipment aloft, and demonstrate the following:
2. Lay out hose ready to be carried aloft.
3. How to secure a line to the hose for the purpose of hauling aloft.
4. Hauling a line of hose aloft.
5. How to secure a line of hose aloft using an appropriate knot.
6. How to haul aloft a range of items of equipment, inc. an axe, sledge hammer, crow bar, extinguisher, ceiling hook, short extension ladder, rolled hose & hose reel tubing.
7. Carrying a hose reel aloft.
8. Foot the ladder when hose is being carried aloft.

### ***Session 17. Combined exercises with debrief***

Consolidation exercises to consist of one or more of the following as detailed in the foundation training and development manual, volume 4 and as determined by training personnel:-

1. PL1 – To get a hose reel to work aloft via a ladder from a pump with a crew of four.
2. PL2 – To get a line of hose to work aloft via a ladder from a pump working from a hydrant using soft suction with a crew of four.
3. PL3 – To get a line of hose to work aloft via a ladder from a pump working from open water with a crew of four.

### ***Session 18. Breaking in equipment***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **breaking in equipment** in order to list the hazards and risks associated with the following equipment:

1. Large Axe
2. Sledge Hammer
3. Club Hammer and Bolster
4. Bolt Croppers
5. Crowbar

### ***Session 19. Fixed Installations & High Rise Procedure***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **fixed installations & high rise procedure** in order to:

1. List the types of buildings that use fixed installations.
2. Describe the actions to be taken at an incident involving a sprinkler, drencher or fire lift.
3. Describe the basic features & procedures for using a fire lift.
4. Describe the basic features and operational procedures involving Wet and Dry Risers.
5. Describe high rise incident procedure
6. List the equipment to be taken aloft at a high rise incident
7. Demonstrate how to set into a DRM
8. Demonstrate how to get a jet to work using a DRM

### ***Session 20. Building Construction – signs and symptoms of collapse***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **signs and symptoms of collapse in buildings** in order to:

1. List the causes of collapse in a building.
2. List the signs of collapse.
3. Describe the considerations that firefighters face when entering a building concerning the evacuation signal and how to act upon hearing it.
4. Describe the factors affecting the stability of stairs & floors, e.g., charring, burning through, loss of support, etc..

### ***Session 21. Fire Investigation – basic Fire Investigation (FI) knowledge***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **fire investigation** in order to:

1. Describe the types of evidence a firefighter may encounter and who it should be reported to,
2. Explain the importance of evidence preservation,
3. Describe how evidence can be preserved.

## **Day 5**

### ***Session 22. Casualty Handling***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **casualty handling** in order to:

1. Explain and demonstrate the accepted methods of casualty movement.
2. Explain and demonstrate the safe working practices when casualty handling.

### ***Session 23A. Breathing Apparatus (BA) - Introduction***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **breathing apparatus** in order to:

1. State the Health & Safety implications involved with breathing apparatus training and wearing at incidents.

2. State when BA must be worn.
3. Define the term 'Working Duration',
4. Explain factors to be taken in to consideration when assessing the 'working duration'.
5. State the cause, effects and treatment of heat exhaustion, heat syncope and heat stroke.

BA SET:

2. State the basic functions of the breathing apparatus set.
3. State the function of the breathing apparatus tally.
4. State the function of the automatic distress signal unit (DSU)
5. State the function of the BA Lamp.

BA ENTRY CONTROL PROCEDURES - STAGE 1

1. State the duties of an Entry Control Officer at an incident
2. Describe an Entry Control board and its contents
3. State the considerations when siting an Entry Control point
4. Describe emergency evacuation signals

#### **Session 24A. BA Set – Maintenance**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **breathing apparatus** in order to:

1. Demonstrate how to clean a BA set after use.
2. Demonstrate how to replace the cylinder on the BA Set.
3. Demonstrate how to test the BA set after the cylinder has been replaced.
4. Describe the procedure to be followed if the BA set is found and/or is believed to be faulty.

#### **Session 25A. BA – Wearers Guidance**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **breathing apparatus** in order to describe:

1. The factors that have to be considered when attending incidents involving fires in buildings.
2. The factors to be considered when determining whether to open/negotiate a door at an incident.
3. The factors to be considered when using a staircase that has or may have been involved in an incident,
4. How to take accurate gauge readings and use the information to determine the correct time for exiting.
5. How 'land-marking' and orientation within a building can be undertaken.
6. The correct procedure to be followed when reporting to an entry control officer when entering and exiting an incident in BA.
7. How to move safely in conditions of restricted visibility, e.g., upright, crouched, close to walls and maintaining physical contact.
8. How to communicate effectively with the rest of the BA Team.
9. When a DSU should be actuated.
10. The correct procedure for actuating a DSU.
11. When it is appropriate to utilise the 'entrapped procedure'.

**Day 6**



### **Session 26A. BA - Fire fighting tactics 1**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **fire fighting in buildings** in order to demonstrate:

1. The correct use of a Stage 1 Entry Control Board.
2. How to correctly don, start up and close down the BA set.
3. State the responsibilities of the nominated BA Team Leader.
4. Safe procedures for door entries.
5. Safe movement in restricted visibility.
6. Effective gauge readings (in order to determine the correct calculation of exit).
7. Effective communication and teamwork between team members.
8. Correct operation & use of BA Communications equipment (if available),
9. Maintaining physical contact with walls and members of team.

### **Session 27A. BA - Fire fighting tactics 2**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **fire fighting tactics** in order to demonstrate:

1. Accurate and thorough search procedures and safe movement in restricted visibility.
2. How to initiate a co-ordinated search pattern and accurate 'land marking'.
3. The actions to be taken when casualties are found, inc. correct casualty handling.
4. The correct procedure for actuating the DSU
5. Entrapped procedure

### **Session 28A. BA – Exercise 1**

This session will enable the EFCC to learn and demonstrate their capability to use breathing apparatus safely and effectively when providing the EFCC At the end of this exercise the student should have demonstrated their skills, knowledge and understanding of the following:

1. Don (put on) and start
2. Entry control
3. Safe movement
4. Effective communications, inc. the use of comms. equipment (if available),
5. Gauge readings
6. Teamwork
7. DRA
8. Door procedure
9. Search tactics
10. Casualty handling
11. Closing down
12. Cleaning the set
13. Replacing the cylinder

### **Session 29A. BA – Fire Science**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **Fire Science** in order to:

1. Define flashover, backdraught and fire gas explosion.
2. State the signs and symptoms of flashover and backdraught.

3. Describe the development of a fully developed fire.
4. Describe the development of a fire within a compartment.
5. Describe correct pulse spraying techniques and the effect of the application of extinguishing medium has to the compartment environment.

## **Day 7**

### **Session 30A. BA - Exercise 2 (Refresher/Consolidation)**

At the end of this exercise the student should have demonstrated their skills, knowledge and understanding of the following:

1. Don and start
2. Entry control
3. Safe movement
4. Effective communications, inc. the use of comms. equipment (if available)
5. Teamwork
6. DRA
7. Door procedure
8. Search tactics
9. Casualty handling
10. Closing down
11. Cleaning the set
12. Replacing the cylinder

### **Session 32A. BA Exercise - Real Fire Training (RFT)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **fire fighting tactics** in order to:

1. State the three extinguishing methods: indirect, direct and gas cooling.
2. Describe the three water application techniques: Short pulse, long pulse and painting.
3. The correct door opening procedure for a two person crew with hose.
4. State the correct door opening procedure for a two person crew with hose backed up by another two person crew with a 45mm jet.
5. Describe how to move safely through a compartment containing fire and hot gases.

### **Session 33A. BA Exercise - Real Fire Training (hot wear)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **fire fighting tactics** in order to demonstrate:

1. Correct door procedure(s)
2. Effective pulse spraying and tactical fire fighting techniques
3. Effective and safe hose management.
4. The safe movement through a basement compartment containing fire and hot gases.
5. Effective and safe hose management.
6. Constant DRA processes.

## **Day 8**

### **Session 34. Haz Mat knowledge - Introduction and Procedures**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **environmental damage control** in order to:

1. List the factors that have to be considered when attending incidents involving hazardous materials, e.g., hazards, limited capability, environmental, etc...
2. State the factors that have to be taken into account when considering evacuation of the area around an incident involving hazardous materials.
3. Explain the procedures for dealing with incidents involving hazardous materials including the use of 'restricted zones' and why there must be strict control over personnel accessing this zone.
4. List the contents of the environmental grab packs/equipment and explain their use .

### ***Session 35. Haz Mat Information***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **hazardous materials** in order to:

1. Recognise the hazard warning labels or symbols used on individual packages, containers, vehicles or buildings containing hazardous materials.
2. Recognise the hazard warning panel used on tankers and tank containers stating the information found in each section of the panel.
3. Recognise the ADR/Kemler identification on tankers and tank containers.
4. Explain the purpose of the hazard information board and why the hazard information board has to be completed correctly and as fully as possible.
5. Describe the tactics to be employed at a hazardous materials incident (as per the Concept of Ops. guidance)
6. Demonstrate the Emergency Decontamination Procedure using appliance hose reels and 3 piece extension ladder.

### ***Session 36. Staff Welfare & Counselling***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **staff welfare & counselling** in order to:

1. Explain the situations that may give rise to staff welfare issues,
2. Describe the sign & symptoms of stress and anxiety,
3. Describe the coping methods available to assist with staff welfare issues,
4. The procedure to be followed should you require support and counselling.

### ***Session 37. Training consolidation session***

This session has been included to allow for consolidation training. This training requirement is to be determined by the Trainer following an analysis of the individual and/or group needs.

## **Day 9**

### ***Session 38. RTC - Knowledge session***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **road traffic collisions (RTC)** in order to:

1. List the factors that need to be considered when siting fire appliances and equipment at the scene of a road traffic collision.
2. List the factors that need to be considered to ensure the safety of the scene during an incident,
3. State the correct levels of Personal Protection Equipment (PPE) that should be worn when attending RTCs,
4. State the factors that need to be considered when dealing with casualties (both trapped and not trapped).

5. Explain the accepted methods of casualty handling/movement.

### **Session 39. RTC - Vehicle stabilisation**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **vehicle stabilisation** in order to demonstrate:

1. The different methods of vehicle stabilisation,
2. The method of achieving full vehicle stability with seven points of contact
3. Rapid and safe stabilisation of a vehicle when the vehicle is upright on all wheels
4. The method for achieving vehicle stability when the car is resting on it's side
5. The method for achieving vehicle stability when the car is resting on it's roof

### **Session 40. RTC - Tool Familiarisation**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **road traffic collisions** in order to demonstrate:

1. The safety precautions to be taken when using RTC equipment
2. The safe use of the RTC equipment (as carried by the Authority),

### **Session 41. RTC Techniques**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **road traffic collisions** in order to demonstrate:

1. The rapid extrication techniques that can be used in extreme cases, e.g. Car alight, request of medical personnel, civil disturbance, etc..
2. The removal of a casualty through the drivers' door, tailgate, passenger door, etc.. using a spinal board.
3. Safe glass management.

## **Day 10**

### **Session 42. RTC - Exercise 1**

At the end of this exercise you will have the necessary skills, knowledge and understanding regarding **road traffic collisions** in order to demonstrate:

1. How to site appliances correctly,
2. An awareness of how to manage the scene of an RTC safely,
3. The correct use of PPE,
4. The correct use of RTC tools and equipment,

### **Session 43. RTC Exercise 2**

At the end of this exercise you will have the necessary skills, knowledge and understanding regarding **road traffic collisions** in order to demonstrate:

1. As per session 42, plus
2. The safe extrication of a trapped casualty

### **Session 44. Cylinder knowledge**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **cylinder procedure** in order to:

1. State the hazards of cylinders involved in a fire
2. State the hazards of acetylene cylinders
3. Describe a thermal imaging camera and demonstrate its use
4. Describe the measures firefighters should take if a cylinder is discovered during the course of fire fighting.
5. Outline the operational procedure for dealing with cylinders at an incident.

### ***Session 45. Extinguishers***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **extinguishers** in order to:

1. Describe the types of fire extinguishers and the classes of fire for which they should be used.
2. Explain the procedures to be adopted when operating the various extinguishers,
3. Demonstrate the use of the extinguishers,

### **Day 11**

#### ***Session 46. Consolidation exercise – No.1 (pumps, ladders, BA, open water)***

This exercise is to involve elements of the following:

1. Command and Control
2. Appliance siting and pump operation
3. Dynamic Risk Assessment
4. Teamwork
5. Communications (equipment and protocols)
6. Equipment use
7. Breathing Apparatus and associated procedures
8. Operation of fire fighting media

#### ***Session 47. Debrief (including ITN)***

A facilitated debrief session that includes an identification of any training needs in order to tailor the next exercise (session 48 refers)

#### ***Session 48. Consolidation exercise – number 2 (pumps, ladders, BA)***

This exercise is to involve elements of the following:

1. Command and Control
2. Appliance siting and pump operation
3. Dynamic Risk Assessment
4. Communications (equipment and protocols)
5. Equipment use
6. Breathing Apparatus and associated procedures
7. Operation of fire fighting media

#### ***Session 49. Final debrief***

## Appendix A Motor Driver Programme

### Course overview & resource requirements

As per Firefighter training programme with the following alterations:

#### Day 5

Session number	Subject	Time allocated	Resource requirements
22	Casualty Handling*	60 mins	1 General Trainer, 1 Yard, Training Dummies (Infant, Adolescent and Adult)
23B	Advanced introduction to a fire appliance	130mins	1 Driver Trainer, 1 Appliance
24B	MD's - driver responsibilities (siting of appliances, main scheme radio etc...)	130mins	1 Driver Trainer, 1 Appliance
25B	Advanced pumps and pumping – pressure fed supplies	130mins	1 Driver Trainer, 1 Appliance, 1 yard

\* This training is undertaken by all students before they separate in to their role-specific groups

#### Day 6

Session number	Subject	Time allocated	Resource requirements
26B	Advanced pumps and pumping – open water supplies	180mins	1 Driver Trainer, 1 Appliance, 1 yard
27B	Messages from fires	90mins	1 Driver Trainer, 1 Classroom
28B	Driver familiarisation	180mins	1 Driver Trainer, 1 Appliance

#### Day 7

Session number	Subject	Time allocated	Resource requirements
29B	Driver familiarisation	450mins	1 Driver Trainer, 1 Appliance

### Course Outcomes - Motor Driver Programme

#### Day 5

##### **Session 22. Casualty Handling (1 Hour)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **casualty handling** in order to:

1. Explain the accepted methods of casualty movement.
2. Explain and demonstrate the safe working practices when casualty handling.

##### **Session 23B. Advanced practical introduction to a fire appliance**

At the end of this session you will have the necessary skills, knowledge and understanding to demonstrate the following:

1. The correct operation of the main features associated with the fire appliance, e.g., PTO, lighting systems, pumping, etc...

**Session 24B. MD's - driver responsibilities (siting appliance, main scheme radio, legislation, etc.)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **driver responsibilities** in order to:

1. Demonstrate the Daily and weekly appliance safety checks.
2. Explain the fault diagnosis/reporting procedure.
3. Explain the vehicle accident reporting procedure.
4. Explain the correct procedure for siting appliances at various incident types (fend off, provision for attendance of specialist/other emergency service vehicles, etc..).
5. Demonstrate the correct operation and use of the main scheme radio equipment.
6. Demonstrate the correct operation of any alternative/additional communication devices (as carried by the respective THE AUTHORITY).
7. Explain the legislation affecting the role of a motor driver,

**Session 25B. Advanced pumps and pumping – pressure fed supplies**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **pumping gauge diagnosis** in order to demonstrate an understanding and interpretation of the following circumstances–

1. Blockage/ debris on delivery hose.
2. Blockage/ debris on supply hose.
3. Pressure fed supply failure.
4. Over-running of supply.
5. Participation in pump relay.

**Day 6**

**Session 26B. Advanced pumps and pumping, inc. lifting from open water supplies**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **pumps and pumping** in order to:

1. Explain the main features & functions associated with the appliance's major pumping capabilities,
2. Demonstrate the correct operation of the PTO,
3. Demonstrate how to get hose reel jets to work from a tank supply,
4. Demonstrate how to augment the tank supply using a hydrant,
5. Explain the safety considerations when siting appliances being used to lift from open water,
6. Explain the safety considerations when using a Light Portable Pump (LPP),
7. Describe the factors that need to be considered before attempting a lift from open water,
8. Demonstrate securing a water supply from an open water source (deep lift) using hard suction hose,
9. Explain the pumping gauge diagnosis associated with the various problems that may arise whilst lifting from open water, e.g., blocked strainer, frictional loss, etc..
10. Explain the environmental considerations associated with using foam,
11. Simulate the production of foam using the Authority's appliance & equipment (as

- defined by the Authority)
12. Demonstrate the correct method of flushing/cleaning equipment following the production of foam.

***Session 27B. Messages from fires***

At the end of this session you will have the necessary skills, knowledge and understanding regarding **message procedure** in order to:

1. Demonstrate the correct operation of the main scheme radio equipment,
2. Explain the correct procedure for communicating with the parent Mobilising Control Centre,
3. Describe the correct message formats to be used for a range of operational incidents, (as defined by the respective the Authority and the Concept of Operations).

***Session 28B. Driver familiarisation***

A skills session allowing motor drivers the opportunity to drive a fire appliance.

**Day 7**

***Session 29B. Driver familiarisation***

A skills session allowing motor drivers the opportunity to drive a fire appliance.

Additional 3 days training requirement to comprise enhanced first aid, messages, and any other areas proposed by Tenderers, to be confirmed upon implementation of the Agreement.



**Appendix B**  
**Supervisory Officer Programme**

**Course overview & resource requirements**

**As per Firefighter training programme with the following alterations:**

**Day 5**

<b>Session number</b>	<b>Subject</b>	<b>Time allocated</b>	<b>Resource requirements</b>
22	Casualty Handling *	60 mins	1 General Trainer, 1 Yard, Training Dummies (Infant, Adolescent and Adult)
23C	Environmental DRA	120mins	1 Officer Trainer, 1 Classroom.
24C	Ops Readiness/On arrival tactics	120mins	1 Officer Trainer, 1 Classroom.
25C	Incident Command (general)	150mins	1 Officer Trainer, 1 Classroom.

\* This training is undertaken by all students before they separate in to their role-specific groups

**Day 6**

<b>Session number</b>	<b>Subject</b>	<b>Time allocated</b>	<b>Resource requirements</b>
26C	Incident Command - Incident Management	180mins	1 Officer Trainer, 1 Classroom.
27C	Incident Command - Incident Management (cont.)	120mins	1 Officer Trainer, 1 Classroom.
28C	legal responsibilities & forced entry	60mins	1 Officer Trainer, 1 Classroom.
29C	Fire Science	90mins	1 BA Trainer, Classroom, 'Aquarium' Demonstrator or equivalent.

**Day 7**

<b>Session number</b>	<b>Subject</b>	<b>Time allocated</b>	<b>Resource requirements</b>
30C	Review of the 'Concept of Operations'	90mins	1 Officer Trainer, 1 Classroom.
31C	Tactical decision making exercise(s)	120mins	1 Officer Trainer, 1 Classroom.
32C	Table top exercise	120mins	1 Officer Trainer, 1 Classroom.
33C	Table top exercise	120mins	1 Officer Trainer, 1 Classroom.

## Course Outcomes - Supervisory Officer Programme

### Day 5

#### **Session 22. Casualty Handling (1 Hour)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **casualty handling** in order to:

1. Explain the accepted methods of casualty movement.
2. Explain and demonstrate the safe working practices when casualty handling.

#### **Session 23C. Environmental DRA**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **H&S, risk identification and DRA** in order to:

1. Describe the stages of risk analysis.
2. Describe how to control and where possible eliminate risks.
3. Describe how to apply decision making based upon risk.
4. Describe how Hazards and Risks affect the safety of the individuals
5. State why it is necessary to notify all affected personnel of any identified Hazard.
6. Describe the process of dynamic risk assessment.
7. List the factors affecting the control of risk.
8. Explain why any risk identified, should be controlled or eliminated promptly.
9. Explain how the need for Dynamic Risk Assessment affects firefighting activities.
10. Explain how to consider risk against benefit.
11. Explain the Fire Authority's responsibilities regarding environmental damage control.
12. Explain how environmental damage can be prevented.
13. List the considerations associated with deploying the environmental 'grab pack' equipment (if carried by the Authority),

#### **Session 24C. Operational Readiness/On arrival Tactics**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **Ops Readiness/on arrival tactics** in order to:

1. Explain the importance of familiarisation and pre-planning and list where this information can be found.
2. List the incident information that may be available on route to an incident (as defined by the AUTHORITY),
3. List the potential information sources that are available on arrival at an incident.
4. List the types of information required to formulate an incident plan.
5. Define Incident Command.
6. State who has the authority to give orders at an incident.
7. Explain the term 'Tactical Mode' and define the tactic modes; 'offensive', 'defensive' and 'transitional'.

### **Session 25C. Incident Command (general)**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **Incident Command** in order to:

1. Describe the operational tactics that should be employed for a range of incident types - as defined in the 'Concept of Operations' document.
2. Explain when BA should be worn,
3. Explain the procedure for dealing with defective equipment,
4. Explain the type and use of messages,
5. Understand the role of the mobilising control centre (and any other support that may be available).
6. Describe the method of 'Handing over' and briefing of senior officers and other agencies personnel.
7. Describe the support (information and/or specialist advice) arrangements available.
8. Explain the support that be provided by the other emergency responders,
9. Explain the support that can be provided by other agencies, e.g. local authority.
10. State the circumstances when the emergency evacuation signal should be used.

### **Day 6**

#### **Sessions 26C & 27C. Incident Command - Incident Management**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **incident management** in order to:

1. List the factors that have to be considered when managing an incident involving a fire in a building.
2. Define the term hazardous material.
3. Explain the considerations/actions that would be taken when attending an incident involving a hazardous substance.
4. Describe when the emergency decontamination procedure should be employed.
5. Describe the safety considerations associated with managing an incident on a permanent way (rail track),
6. Describe the safety considerations associated with managing a sub-surface incident,
7. Describe the safety considerations associated with managing a Road Traffic Collision
8. Describe the safety considerations associated with managing an incident involving a water hazard.
9. Explain when foam should be considered as an extinguishing medium,
10. Describe what factors must be considered before using foam as an extinguishing medium.
11. Describe what factors must be considered when dealing with an incident involving a cylinder (inc. acetylene).
12. Explain the firefighting tactics that should be deployed if the incident involves a high rise building.

#### **Session 28C. Legal responsibilities & forced entry**

Your staff should have the necessary skills, knowledge and understanding regarding **legal responsibilities and gaining entry** in order to:

1. Explain the legislation which gives firefighters their powers of entry.
2. State the factors which will affect a decision concerning 'forced' entry.
3. List the factors to be considered when risk assessing a point of entry into a building.
4. Explain why the main entrance is usually the best entry point.

5. Describe the practical considerations when making a 'forced' entry.

### **Session 29C. BA Fire Science**

At the end of this session you will have the necessary skills, knowledge and understanding regarding **Fire Science** in order to:

1. Explain flashover, backdraught and fire gas explosion.
2. Describe the four phases of fire development: early, flashover, fully developed and decay
3. State the signs and symptoms of flashover, backdraught and gas explosion.
4. Describe the development of a fully developed fire
5. Describe the use of water to mitigate a backdraught
6. Describe the development of a fire within a compartment
7. Explain the factors that must be considered before using BA at an incident

### **Day 7**

### **Session 30C. Review of the Concept of Operations Procedure**

At the end of this session you will have the necessary skills, knowledge and understanding regarding the **Concept of Operations** in order to:

1. Explain the scope of service being provided by the Authority,
2. Describe the mobilising procedures (as defined by the Authority),
3. Explain the default 'tactical' mode for dealing with incidents,
4. How to request assistance (both from the Authority & other agencies),

### **Session 31C. Tactical Decision Making Exercise(s)**

Decision making exercise(s) to enable the Supervisory officers to practice their command decision making for a range of incident types

### **Session 32C. Table top exercise(s)**

To include at least one fire (in a building) and one RTC scenario.

### **Session 33C. Table top exercise(s)**

To include at least one high rise and cylinder incident scenario..