

Highfield Level 2 End-Point Assessment for Aviation Ground Operative - Fire Fighter

EPA-Kit

Assessing the On-Demand Tests

- The On-Demand Tests - Guidance
- On-Demand Tests Criteria

The On-Demand Tests - Guidance

The following areas (knowledge) of the Aviation Ground Operative - Fire Fighter standard will be assessed by two 1-hour on-demand tests consisting of 30 questions each, with the pass mark being 60% (18 out of 30). The content of one test will be based on the core knowledge areas. The content of the other test will be based on the specialist function knowledge areas for Fire Fighter

The topics covered within the core knowledge test are listed below:

- Safety
- Security
- Compliance & legislation
- Communication
- Disruption incidents & emergencies
- Dangerous goods

The topics covered within the specialist knowledge test are listed below:

- Save & preserve endangered life
- Resolve fire & rescue aviation incidents
- Drive fire service vehicles airside
- Test, maintain and operate specialist rescue equipment
- Protect environment from hazardous materials

In each paper, questions will cover each of the areas above; however, not every aspect of every area will be covered in every test.

Before the assessment

- While on-programme, the employer/training provider should brief the apprentice on the areas to be assessed by the on-demand test
- In readiness for end-point assessment, the apprentice should complete a sample test, this can be found at the end of this section of the EPA Kit

On-Demand Tests Criteria

The following pages include the criteria that are covered by the on-demand test.

The apprentice will	Criteria covered in the on-demand test
Safety	
<p>Understand the health and safety regulations and legislation relevant to the role; an aviation environment and organisational procedures and how they impact on self, others and in relation to aviation operational duties</p>	<p>SA1 - Understand how to act within standard operating procedures at all times SA2 - Identify legislation and organisational procedures covering health and safety SA3 - Identify the location and the hazards associated with the ramp/dispersal area SA4 - Understand the health, safety and hazards associated with aircraft handling SA5 - Identify surface markings, operating and emergency areas for aircraft, vehicles and pedestrians on the ramp area SA6 - Identify personal protective equipment (PPE) and describe when to wear it SA7 - Describe dangers from foreign object debris (FOD) and the importance of keeping areas clean and tidy at all times SA8 - Describe dangers from birds and other wild animals and the importance of ensuring that the area does not attract them SA9 - Describe how to use equipment and vehicles on the ramp area SA10 - Outline the benefits of safe working practices SA11 - Identify the consequences of not operating safely in an airport environment SA12 - Identify the main causes of incidents/accidents in an airport SA13 - Identify hazardous materials and outline the procedures for using them SA14 - Describe procedures for reporting incidents/accidents airside SA15 - Describe the effects of severe weather airside and the precautions to take</p>

The apprentice will	Criteria covered in the on-demand test
Security	
Understand the systems, procedures and requirements to ensure security of self and others in own area of responsibility	SE1 - Identify signs of suspicious behaviour SE2 - Outline the limits of your authority SE3 - Identify specified, banned, illegal and dangerous items SE4 - Explain threat or risk awareness SE5 - Identify relevant aviation security documents SE6 - Identify relevant aviation security authorities SE7 - Outline your responsibility in relation to security SE8 - Outline your organisation's procedures for restricting access

The apprentice will	Criteria covered in the on-demand test
Compliance & legislation	
Understand the aviation and regulatory legislation, procedures and regulations relating to an aviation environment, within own area of responsibility	CL1 - Explain the requirements for compliance in the aviation environment CL2 - Outline procedures that must be followed to ensure compliance CL3 - Explain the impact of not following procedures and ensuring compliance CL4 - Explain the impact of the aviation operation on the environment CL5 - Identify environmental controls in the aviation operation

The apprentice will	Criteria covered in the on-demand test
Communication	
<p>Understand how to communicate effectively and transfer relevant information to people and how to select the most appropriate method of communication</p>	<p>CO1 - Describe available lines and methods of communication CO2 - Identify relevant communications equipment and explain organisational procedures relating to its use CO3 - Explain organisational procedures regarding malfunctioning equipment CO4 - Identify relevant aviation guidelines, procedures and standard phrases CO5 - Identify commonly used aviation codes relevant to your job role and sources of information for less commonly used codes CO6 - Know the phonetic alphabet CO7 - Explain the difference between confidential and commercially sensitive information, and describe your organisation's systems for processing and storing this information CO8 - Explain organisational procedures for passing on messages and alternative communication routes in the event of an equipment failure CO9 - Manage requests for information from: seniors, colleagues or external sources</p>

The apprentice will	Criteria covered in the on-demand test
Disruption incidents & emergencies	
<p>Understand emergency procedures in own area of responsibility, common incidents and disruption that may occur in an aviation environment and the appropriate action to take in the event of an incident</p>	<p>DI1 - Get help to identify an incident/emergency and be able to describe its main features DI2 - Know how the incident/emergency affects you and other people DI3 - Know how people would like to be informed about the progress and solution of the incident/emergency DI4 - Identify problem-solving methods that can be adopted to address the incident/emergency DI5 - Identify factors that may affect the way you deal with the incident/emergency DI6 - Identify which people could help you resolve the incident/emergency DI7 - Outline rules and regulations that you have to consider when solving the incident/emergency DI8 - Know how to overcome difficulties when solving incidents/emergencies DI9 - Follow a plan that takes into account any issues that may arise DI10 - Explain how you will know when an incident/emergency has been resolved DI11 - Know how to access additional support available post-incident</p>

The apprentice will	Criteria covered in the on-demand test
Dangerous goods	
<p>Understand relevant dangerous goods and how to deal with them effectively in own area of responsibility</p>	<p>DG1 - Acknowledge and understand the general principles of storage, carriage and handling of dangerous goods DG2 - Identify classifications of dangerous goods DG3 - Explain dangerous goods handling requirements DG4 - Explain the emergency procedures in the event of a dangerous goods incident</p>

The apprentice will	Criteria covered in the on-demand test
Save & preserve endangered life	
<p>Understand the procedures and responsibilities of own role to support search, rescue and operations, including casualty care during an operational incident</p>	<p>SL1 - Identify hazards and risks of the workplace affecting people and the environment in relation to search, rescue and casualty care operations</p> <p>SL2 - Explain how to make and apply decisions based on the assessment of risk in the case of search, rescue and casualty care operations</p> <p>SL3 - Explain how to apply practices that maximise the health, safety and welfare of yourself and others during search, rescue and casualty operations</p> <p>SL4 - Outline legislation relevant to carrying out search, rescue and casualty care</p> <p>SL5 - Outline sources and availability of information</p> <p>SL6 - Explain how to treat colleagues and members of the public with respect and consideration, accepting diversity and supporting those who are distressed</p> <p>SL7 - Outline methods of communication and reporting during search, rescue and casualty care</p> <p>SL8 - Outline roles, responsibilities and limits of authority of yourself, others and other agencies during the course of search, rescue and casualty care operations</p> <p>SL9 - Outline the anatomy and physiology of respiration in relation to the use of breathing apparatus</p> <p>SL10 - Explain how the breathing apparatus set manages inspired and expired air</p> <p>SL11 - Outline the role and responsibilities of the breathing apparatus control operative</p> <p>SL12 - Outline the capabilities, limitations, selections and use of personal protective and operational equipment used during search, rescue and casualty care</p> <p>SL13 - Outline the roles and responsibilities within the incident command system</p> <p>SL14 - Identify and preserve evidence including deceased and fatalities</p> <p>SL15 - Identify protocols to determine the status and removal of the deceased</p>

The apprentice will	Criteria covered in the on-demand test
Resolve fire & rescue aviation incidents	
<p>Understand as a team member, the procedures and processes for resolving aviation fire and rescue operational incidents and special service incidents</p>	<p>RF1 - Outline hazards and risks of the workplace affecting people and the environment in relation to aviation fires and other operational incidents</p> <p>RF2 - Explain how to make and apply decisions based on the assessment of risk in the case of aviation fires and other operational incidents</p> <p>RF3 - Explain how to apply practices that maximise the health, safety and welfare of yourself and others during aviation fires and other operational incidents</p> <p>RF4 - Outline methods and techniques for communicating with others during aviation fires and other operational incidents</p> <p>RF5 - Outline roles, responsibilities and limits of authority of yourself, others and other agencies during aviation fires and other operational incidents</p> <p>RF6 - Identify and use personal protective and operational equipment used in aviation fires and other operational incidents including their capabilities, limitations and safe use</p> <p>RF7 - Outline roles and responsibilities within the incident command system</p> <p>RF8 - Describe methods and techniques to control and extinguish fires at aviation and other operational incidents</p> <p>RF9 - Outline the causes, effects and behaviour of fire</p> <p>RF10 - Explain the different fire types and fire classes</p> <p>RF11 - Explain the importance of identifying and preserving evidence at aviation and other fire and rescue incidents</p> <p>RF12 - Explain how to gain access, effect entry and maintain exit routes at aviation and other fire and rescue incidents</p> <p>RF13 - Outline the importance of limiting damage to aircraft, property and the environment when resolving fire and rescue incidents</p>

The apprentice will	Criteria covered in the on-demand test
Drive fire service vehicles airside	
<p>Understand how to prepare a fire service support vehicle for airside use and rules and regulations applicable to airside driving</p>	<p>DF1 - Outline organisational and regulatory standards for the operational condition of the vehicle</p> <p>DF2 - Identify the types of authorisation, identification and licences needed to drive various vehicles airside</p> <p>DF3 - Outline the types of faults that affect operational condition and your organisation's procedures for reporting and recording faults</p> <p>DF4 - Describe routine vehicle maintenance</p> <p>DF5 - Identify how to correctly and safely manoeuvre a fire service vehicle around an airfield</p> <p>DF6 - Outline your organisation's procedures for operating emergency cut-off switches, phones and alarms</p> <p>DF7 - Identify and outline your organisation's procedures for dealing with airside hazards</p>

The apprentice will	Criteria covered in the on-demand test
Test, maintain and operate specialist rescue equipment	
<p>Understand how to select, check and use specialist firefighting equipment in accordance with organisational policy, including the procedure to record and report faults when identified</p>	<p>TM1 - Identify hazards and risks of the workplace affecting people and the environment in relation to testing, maintaining and operating specialist rescue equipment</p> <p>TM2 - Explain how to make and apply decisions based on the assessment of risk in the case of testing, maintaining and operating specialist rescue equipment</p> <p>TM3 - Explain how to apply practices that maximise the health, safety and welfare of yourself and others during testing, maintaining and operating specialist rescue equipment</p> <p>TM4 - Outline organisation's policies, aims and objectives in relation to testing specialist firefighting equipment</p> <p>TM5 - Record systems specific to your role and their use</p> <p>TM6 - Identify sources and availability of information</p> <p>TM7 - Outline roles, responsibilities and limits of authority of self, others and other agencies in the workplace</p> <p>TM8 - Outline the provision of appropriate safety arrangements and how to access them</p> <p>TM9 - Explain the capabilities and limitations of personal and operational equipment</p> <p>TM10 - Explain the availability and access to internal and external resources and support</p> <p>TM11 - Outline the human and physical resource requirements</p> <p>TM12 - Outline the procedures and appropriate working methods relating to the use of water pumps</p> <p>TM13 - Outline the implications of using on-board foam supply</p> <p>TM14 - Outline the command structure you are working in</p>

The apprentice will	Criteria covered in the on-demand test
Protect environment from hazardous materials	
<p>Understand how to set up and carry out decontamination of hazardous materials following procedures appropriate to the risk identified</p>	<p>PE1 - Outline safe working practices of your organisation PE2 - Identify hazards and risks relating to hazardous materials and decontamination affecting people and the environment PE3 - Explain how to use risk assessment information to make decisions and apply them PE4 - Outline your organisation’s control measures to mitigate risk PE5 - Outline guidelines, legislation and operating procedures that apply when dealing with hazardous materials and decontamination PE6 - Outline your organisation’s systems, tools and procedures for recording information and how to use them PE7 - Identify types and sources of information about hazardous materials and decontamination and how to access these PE8 - Outline the roles, responsibilities and limits of authority of self, others and other agencies in the workplace PE9 - Identify and preserve different types of evidence relevant to hazardous materials incidents PE10 - Outline how and why it is important to limit damage to property and the environment PE11 - Explain how to apply methods and techniques for controlling and containing including avoiding further contamination</p>