

Highfield Level 3 End-Point Assessment for ST0038 Aviation Ground Specialist

End-Point Assessment Kit



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Pathway: Aircraft Movement

Highfield Level 3 End-Point Assessment for ST0038 Aviation Ground Specialist - Aircraft Movement

EPA kit

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How to use this EPA kit

Welcome to the Highfield end-point assessment kit for the Aviation Ground Specialist - Aircraft Movement Apprenticeship Standard.

Highfield is an independent end-point assessment organisation that has been approved to offer and carry out the end-point assessments for the Level 3 Aviation Ground Specialist - Aircraft Movement Apprenticeship Standard. Highfield internally quality assures all end-point assessments in accordance with its IQA process. Additionally, all end-point assessments are externally quality assured by the relevant EQA organisation.

This guide is designed to outline all you need to know about the end-point assessments for this standard, and will also provide an overview of the on-programme delivery requirements. In addition, advice and guidance for trainers on how to prepare apprentices for the end-point assessment is included. The approaches suggested are not the only way in which an apprentice may be prepared for their assessments, but trainers may find them helpful as a starting point.

Key facts

Apprenticeship standard:	Aviation Ground Specialist - Aircraft Movement
Level:	3
On-programme duration:	Minimum of 12 months
Grading:	Pass, merit or distinction
End-point assessment duration:	Maximum of 2 months
End-point assessment methods:	On-demand tests, practical observation and professional discussion

In this guide, you will find:

- a section focused on delivery, where the standard and assessment criteria are presented in a suggested format that is suitable for delivery
- guidance on how to prepare the apprentice for gateway
- detailed information on which part of the standard is assessed by which assessment method
- a section focused on the end-point assessment method where the assessment criteria are presented in a format suitable for carrying out 'mock' assessments
- suggestions on how to prepare the apprentice for each part of the end-point assessment

Introduction

Aviation Ground Specialist - Aircraft Movement overview

The Level 3 Aviation Ground Specialist Apprenticeship Standard covers 5 pathways: aircraft handling, aircraft movement, fire fighter, flight operations and passenger services. This EPA kit is designed to support the aircraft movement pathway.

An aviation operations specialist could work in a number of aviation environments, such as a commercial airport, military base/aerodrome, heliport or other airfield. Specialist roles, all focused around the arrival, turnaround and departure of aircraft and maintaining an aviation operation, will include knowledge, skills and behaviours to complete complex aviation tasks and may include supervision of others to enable compliance with regulations through a safe, secure and effective aviation operation. These functions may include loading and unloading of aircraft, air traffic control (ATC), movement of aircraft and vehicles airside and the management of passengers both airside and landside. The functions all work as part of a combined team, within which communication with wider colleagues and other stakeholders is essential and the aviation operations specialist plays a key part of a coherent operation.

An aircraft movement specialist is responsible for the efficient movement and recovery of fixed and rotary wing aircraft and the safety of other team members at a variety of airports/heliports and other landing platforms within the civil aviation and military arenas. They take responsibility for team members using specialised equipment to move aircraft within an aviation environment in accordance with standard operating procedures.

On-programme requirements

The period of learning, development and continuous assessment is managed by the employer, in most cases with the service of an education or training provider. Although this method is flexible and the process is not prescribed, the following best practice recommendation is made:

Throughout the programme, and at least every 3 months, the apprentice should meet with the continuous assessor and record their progress against the standard. At these reviews, evidence should be recorded and, once the apprentice is competent, sections of the standard signed off by the employer. The process of maintaining a continuous assessment record is important so employers are confident in determining when the apprentice has achieved full competence in their job roles and is ready for end-point assessment. The continuous assessment record is not a portfolio of evidence, but a practical record of what the apprentice can do following periods of training, development and assessment. A minimum of 4 meetings and completed records are recommended, to show ongoing competence across the entire standard, over a minimum of a 12-month period prior to starting the end-point assessment.

There are no mandatory qualifications for this standard, however, employers may wish to include relevant qualifications to help structure the on-programme delivery.

Use of Artificial Intelligence (AI) in the EPA

Where AI has been used as part of the apprentice's day-to-day work and forms part of a project report, presentation, or artefact, it should be referenced as such within the work. AI must not be used to produce the report or portfolio.

Where AI has been used as part of a portfolio that underpins an interview or professional discussion or any other assessment method, it should be fully referenced within the portfolio.

Readiness for end-point assessment

In order for a learner to be ready for the end-point assessments:

- they must have successfully completed the English and maths components of the apprenticeship

- the employer must be confident that the apprentice has developed all the knowledge, skills and behaviours defined in the apprenticeship standard; to ensure this, the learner must attend a formal meeting with their employer to complete the 'readiness for end-point assessment record'
- the apprentice and the employer should then engage with Highfield to agree a plan and schedule for each assessment activity to ensure all components can be completed within a 2-month end-assessment window; further information about the gateway process is covered later in this kit

If you have any queries regarding the gateway requirements, please contact your EPA Customer Engagement Manager at Highfield Assessment.

Order of end-point assessments

There are 3 end-point assessment methods; 2 on-demand tests, an observation and a professional discussion. The assessments can be taken in any order.

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The Highfield approach

This section describes the approach Highfield has adopted in the development of this end-point assessment in terms of its interpretation of the requirements of the end-point assessment plan and other relevant documents.

Documents used in developing this end-point assessment

Standard (2016)

<https://www.instituteforapprenticeships.org/apprenticeship-standards/aviation-ground-specialist/>

End-point assessment plan (July 2016)

https://www.instituteforapprenticeships.org/media/1133/aviation_ground_specialist.pdf

Common approach (November 2019)

People 1st

Specific considerations

Two on-demand tests - Highfield has used 30 questions, with 60% being the pass mark for each of the on-demand tests, to align with the People 1st common approach.

In accordance with the aviation ground operative assessment plan, Highfield has detailed which criteria **must** be covered within the professional discussion at the end of this guide. Additionally, the criteria that are not covered by the selected observation scenario must also be assessed during the professional discussion.

During the practical observation, wherever possible, situations and evidence should be naturally occurring. However, to ensure that all criteria can be covered, some simulation will be allowed to ensure total coverage of the standards. This can be arranged before the assessment takes place to give the best opportunity for all criteria to be met.

All of the evidence criteria used within this end-point assessment have been taken directly from the aviation ground operative standard assessment plan or written based on supporting documentation.

The assessment plan states that: 'The on demand tests and observation can be completed in any order, but must be passed prior to the professional discussion as the last assessment activity', however, this has since been revised within the People 1st common approach document, issued in November 2019, allowing the assessment methods to now be taken in any order.

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Gateway

How to prepare for gateway

After apprentices have completed their on-programme learning they should be ready to pass through 'gateway' to their end-point assessment.

Gateway is a meeting that should be arranged between the apprentice, their employer and training provider to determine that the apprentice is ready to undertake their end-point assessment. The apprentice should prepare for this meeting by bringing along work-based evidence, including:

- customer feedback
- recordings
- manager statements
- witness statements

As well as evidence from others, such as:

- mid and end-of-year performance reviews
- feedback to show how they have met the apprenticeship standards while on-programme

In advance of gateway, apprentices will need to have:

- achieved level 1 English
- achieved level 1 maths
- taken level 2 English test
- taken level 2 maths test

Apprentices should be advised by employers and providers to gather this evidence throughout their on-programme training. It is recommended that employers and providers complete regular checks and reviews of this evidence to ensure the apprentice is progressing and achieving the standards before the formal gateway meeting is arranged.

The gateway meeting

The gateway meeting should last around an hour and must be completed on or after the apprenticeship on-programme end date. It should be attended by the apprentice and the relevant people who have worked with the apprentice on-programme, such as the line manager/employer or mentor, the on-programme trainer/training provider and/or a senior manager (as appropriate to the business).

During the meeting, the apprentice, employer and training provider will discuss the apprentice's progress to date and confirm if the apprentice has met the full criteria of the apprenticeship standard during their on-programme training. The **Gateway Readiness Report** should be used to log the outcomes of the meeting and agreed by all 3 parties. This report is available to download from the Highfield Assessment website.

The report should then be submitted to Highfield to initiate the end-point assessment process. If you require any support completing the Gateway Readiness Report, please contact your EPA Customer Engagement Manager at Highfield Assessment.

Please note: a copy of the standard should be available to all attendees during the gateway meeting.

Reasonable adjustments and special considerations

Highfield Assessment has measures in place for apprentices who require additional support. Please refer to the Highfield Assessment Reasonable Adjustments Policy for further information/guidance.

ID requirements

Highfield Assessment will need to ensure that the person undertaking an assessment is indeed the person they are claiming to be. All employers are therefore required to ensure that each apprentice has their identification with them on the day of the assessment so the end-point assessor can check.

Highfield Assessment will accept the following as proof of an apprentice's identity:

- a valid passport (any nationality)
- a signed UK photocard driving licence
- a valid warrant card issued by HM forces or the police
- another photographic ID card, e.g. employee ID card or travel card

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Highfield Level 3 End-Point Assessment for Aviation Ground Specialist Apprenticeship Standard Pathway: Aircraft Movement

The following pages contain the Level 3 Aviation Ground Specialist Apprenticeship Standard and the assessment criteria for the **Aircraft Movement** pathway, in a suggested format that is suitable for delivery.

Safety		
Knowledge	Skills	Behaviour
Health and safety legislation in aviation and in relation to own role and organisation and how to monitor it	Monitor area of responsibility to ensure compliance with aviation legislation and organisational procedures , addressing and/or reporting hazards	Handle all tasks in a calm and organised manner. Be vigilant and proactive in promoting a safe, secure and compliant working culture
On-demand test		
Indicative assessment criteria		
SA1 - Outline your organisation's systems, procedures and practices designed to maintain health and safety including those relating to work patterns, work methods and housekeeping and how these impact on others SA2 - Outline your organisation's procedures for dealing with staff who are not meeting health and safety procedures SA3 - Outline your organisation's emergency procedures SA4 - Identify the relevant aviation and health and safety legislation and European directives and the effect they have on your area of responsibility SA5 - Describe organisational and legal health and safety requirements SA6 - Identify hazards in the workplace		

Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
SA7 - Ensure self and team correctly report hazards as identified SA8 - Act within standard operating procedures at all times SA9 - Take action to deal with hazards in line with organisational procedures	There are no merit criteria for this component	There are no distinction criteria for this component
Amplification and guidance		
<p>Regulators and agencies in the aviation industry The Civil Aviation Authority (CAA); The International Civil Aviation Organisation (ICAO); The European Aviation Safety Agency (EASA); The Department for Transport (DfT); and the Military Aviation Authority (MAA). These organisations all publish guidance and information relevant to job roles contained within this specification.</p> <p>Organisational procedures Organisational procedures may include industry, organisational and regulator specific instructions and guidance (SOPs) and are based on safe methods of working, safe systems of working and risk assessment.</p> <p>Legislation covering the Aviation working environment includes: RIDDOR - reporting procedures for safety breaches, HASWA, CAA, PPE, Air Navigation Order (ANO 2016), Aerodrome licensing, COSHH.</p> <p>Hazards Slips, trips and falls, collision, crushing, cargo, debris, noise, fumes, fuel and fire.</p> <p>Hazards can be avoided Information and training, supervision, risk assessment, safety procedures, signage, reporting to ATC.</p>		

Work safely

Following procedures, training, monitoring, reporting unsafe working practices, PPE (gloves, high-vis, etc.).

Dangers from aircraft

Propellers, engine intake, stairs, taxiing, doors, push back.

Surface markings

Painted signs on apron, taxiway, runway, roads, pedestrian walkways.

Operating areas

Include airside and landside areas such as terminal buildings, aircraft stands, ramps, apron, taxiway, baggage loading/unloading areas, runways and approach roads, warehousing, HM customs buildings, air traffic control buildings, fire stations, firefighting and rescue training facilities, security and police buildings and facilities. Fuel dumps and fuel terminals, hangars and aircraft storage and maintenance areas, cargo and freight.

Dangers from foreign object debris

Damage to runways and aircraft, injuries to staff and passengers, increase costs to airlines.

Dangers from birds and other wild animals

Engine failure due to bird strike, collision, damage to aircraft.

Airside hazards

Fumes, vehicles, noise, cargo, fuel, luggage and freight.

Security		
Knowledge	Skills	Behaviour
Requirements for maintaining aviation security in own area of authority and action to take in the event of a breach of security	Ensure aviation security is maintained in own area of operations, e.g. challenging people in restricted areas, recording and reporting of security incidents	Be vigilant and proactive in promoting a safe, secure and compliant working culture
On-demand test		
Indicative assessment criteria		
SE1 - Outline the relevant powers contained in security regulations SE2 - Outline specified, banned, illegal and dangerous items SE3 - Outline the relevant documents and authorities to be aware of SE4 - Outline the different areas of the airport and what authorisation is needed to access various areas SE5 - Describe your roles and responsibilities in relation to security SE6 - Identify signs of suspicious behaviour or unusual incidents, using threat or risk analysis SE7 - Describe your organisation's procedures for restricting access to people, authorised areas and vehicles SE8 - Outline internal and statutory security testing procedures SE9 - Identify your organisation's procedures for raising or responding to alarms SE10 - Identify your organisation's procedures for dealing with actual or suspected security threats SE11 - Outline DfT guidance, including threat levels: critical/severe/substantial/moderate/low		
Professional discussion		
Indicative assessment criteria		
SE12 - Describe how to fulfil your responsibilities for securing particular areas or items SE13 - Describe how to keep access points secure according to your organisation's procedures and your own job responsibilities SE14 - Outline how to report problems in the security of actual or possible access points SE15 - Outline security procedures relating to visitors to the site or a specified area SE16 - Outline the importance of completing the relevant documents accurately and clearly SE17 - Outline the procedures to report actual or suspected breaches of security at an appropriate level		

SE18 - Describe the importance of communicating information about actual or suspected security threats calmly, clearly and using appropriate discretion
SE19 - Identify the appropriate actions to take in the event of unusual incidents which may present a security risk
SE20 - Identify the **appropriate remedial action** to take when you become aware of faults, damage to security equipment or problems with security
SE21 - Describe how to be vigilant and proactive in promoting a safe, secure and compliant working culture

Amplification and guidance

Suspicious behaviour

Body language: appearing nervous, agitated, excessive fidgeting, clock-watching, head-turning, shuffling feet, leg shaking, excessive perspiration inconsistent with environment, people carrying suspicious items, people trying to gain entry to unauthorised areas or incidents involving vehicles.

Threat or risk

Improvised explosive devices (IED), knife, gun, improvised weapons such as scissors, cutlery, hijack of aircraft (ground or in air), bags in airport, bags left unattended, airline reputation, loss to airline such as financial.

A security threat could include suspected theft, suspected damage, actual damage, suspected terrorist activities, possible harm to people or actual harm to people.

Relevant documents

Passports, e-tickets, boarding cards, staff ID, visitor ID, plainclothes police officer's ID, uniformed police officer's ID, security staff ID, building contractor's ID, catering delivery staff ID, ground handling agency staff ID, airline personnel ID, retail store staff ID, airport supplier services staff ID.

Relevant authorities

Civil aviation authority (CAA), Military aviation authority (MAA), Department for Transport (DfT).

Irregularities in security

Forged ID, unauthorised access to restricted zones by persons known and unknown, stolen identity passes, inappropriate responses to security questions, restricted items identified at screening.

Your responsibility

Adhere to the company's procedures (check-in, security, boarding, cabin crew procedures). Identify unattended baggage/items, be aware of and report restricted items, report and be aware of security breaches by staff and passengers, attend training sessions and refresher training.

Organisations

Staff training, International Civil Aviation Organization (ICAO), European Aviation Safety Agency (EASA), Department for Transport (DfT), Civil Aviation Authority (CAA), safety management systems (SMS), compliance with regulation.

Appropriate remedial action

Follow company's procedures and awareness of risks (check-in, security, boarding, cabin crew); passengers' compliance with rules, e.g. unattended baggage, restricted items; awareness of security breaches by staff and passengers' role.

Discrepancies in the security of actual or potential access points

Gate change, unacceptable passenger, missing passenger, missing passenger document, hand baggage not acceptable.

Compliance & legislation		
Knowledge	Skills	Behaviour
Aviation and other applicable legislation, procedures and regulations relating to an aviation environment, and monitoring procedures within own area of responsibility	Monitor compliance with legislation, procedures and regulations in an aviation environment within own area of responsibility	Be vigilant and proactive in promoting a safe, secure and compliant working culture
On-demand test		
Indicative assessment criteria		
CL1 - Outline the requirements for compliance in the aviation environment CL2 - Outline which procedures must be followed to ensure compliance CL3 - Describe the impact of not following procedures and ensuring compliance CL4 - Describe the impact of the aviation operation on the environment CL5 - Identify environmental controls in the aviation operation CL6 - Describe your responsibilities to monitor compliance in the aviation operation		
Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
CL7 - Ensure area of responsibility complies with procedures and legislative requirements	CL8 - Ensure compliance of team members within area of responsibility CL9 - Correct non-compliance in area of responsibility	CL10 - Proactively promote compliance with procedures and legislation, e.g. challenge suspicious persons

Amplification and guidance

Requirements for compliance

Passenger safety, safety of yourself and colleagues, rules to deal with unattended baggage, restricted item, awareness of security breaches by staff and passengers.

Procedures must be followed

Authorisation for firearms on passenger flights.

Impact of not following procedures

Security, aviation and legislation breaches, missed opportunities to detect and prevent, health and safety, CAA, MAA.

Environmental controls

Environmental control in the aviation industry is far-reaching and includes noise on and around airports, carbon emissions, international spread of disease. That water used on board is safe to drink from the filling points on the airport, water transporters and on the aircraft. Importation and exportation of live animals and food safety both at the terminal and on board the aircraft.

The key message is that your skills and knowledge relate to the environmental controls that are within the scope of your job role.

Organisational and legal requirements for compliance

Including aviation legislation, environmental legislation, health and safety legislation, airport authority regulations, Civil Aviation Authority (CAA)/Military Aviation Authority (MAA) requirements, local authority regulations.

Communication		
Knowledge	Skills	Behaviour
Methods of communication to ensure effective and timely transfer of information to different audiences using relevant language and format	Communicate effectively within the aviation environment adapting methods and language to meet the situation	Treat team, customers and other stakeholders with courtesy and respect
On-demand test		
Indicative assessment criteria		
CO1 - Outline available lines and methods of communication, including oral, written, electronic, carried out by self and carried out by others CO2 - Identify relevant communications equipment including telephone, electronic, radiotelephone and megaphone CO3 - Outline organisational procedures relating to use of communications equipment CO4 - Outline organisational procedures regarding malfunctioning equipment CO5 - Identify relevant aviation guidelines, procedures, standard phrases and the phonetic alphabet CO6 - Identify commonly used aviation codes relevant to your job role, and sources of information for less commonly used codes CO7 - Describe your organisation's systems for processing and storing information CO8 - Outline what is confidential and commercially sensitive information CO9 - Describe organisational procedures for communicating messages and reporting to seniors, colleagues or external sources		
Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
CO10 - Ensure accurate and timely communication with the right people at the right time using the correct method CO11 - Ensure communication is received and understood CO12 - Adapt language and tone to match audience and situation	CO13 - Ensure all communications are effective and understood, anticipating additional appropriate information requirements and liaising with key people to facilitate ongoing information flow	CO14 - Ensure excellent communication with all internal and external stakeholders

Amplification and guidance

Communications equipment

Handheld radio, mobile phone, fixed-line telephone, public address system, air-to-ground radio, lights, alarms, noticeboard, flight information display systems.

Guidelines, procedures and standard phrases

These include aviation industry, organisational and regulator specific instructions and guidance such as CAP 413 and MAA Regulation ATM.

Alternative communication routes

Public address system, landline, mobile phone, handheld radio, hand signals, signs, alarms, email, flight information display system (FIDS), noticeboard.

Interpersonal skills		
Knowledge	Skills	Behaviour
Roles within the team and how these work together to achieve the organisation's objectives, and how to embrace equality and inclusivity in the workplace	Maximise team performance and meet the objectives of the team while embracing equality and inclusivity	Treat team, customers and other stakeholders with courtesy and respect. Handle all tasks in a calm and organised manner. Take ownership and responsibility of role and working area, including team members where responsible
Professional discussion		
Indicative assessment criteria		
<p>IP1 - Describe organisational systems and procedures for developing your own and others' personal performance in customer service</p> <p>IP2 - Outline how your behaviour impacts on others</p> <p>IP3 - Outline how to effectively review your personal strengths and development needs</p> <p>IP4 - Outline how to compile a personal development plan for yourself or a colleague that will build on strengths and overcome weaknesses in areas that are important to customer service</p> <p>IP5 - Outline how to obtain useful and constructive personal feedback from others and respond positively</p> <p>IP6 - Outline how to compile a coaching plan that will build on the strengths of the learner and overcome their weaknesses in areas that are important to customer service and their job role</p> <p>IP7 - Outline how to give useful and constructive personal feedback to others and encourage them to respond positively</p>		
Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
<p>IP8 - Work as part of a team to ensure adequate performance in the role</p> <p>IP9 - Provide appropriate guidance for team members</p>	IP10 - Take initiative as a senior team member or supervisor to improve performance in the role, within limits of operation	There are no distinction criteria for this component
Amplification and guidance		
Stakeholders		
People, organisations, social groups, internal or external to the business that have a vital interest in the business or its activities.		

Aviation systems		
Knowledge	Skills	Behaviour
The aviation systems used within own role and how to operate them, identify faults or errors and what remedial action to take	Use aviation systems effectively in own role. Take remedial action upon identification of faults or errors in a timely manner if they occur	Use equipment and technology responsibly and effectively. Commit to continuous development of self and team, including improvements to systems and processes
Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
AS1 - Ensure prescribed systems are used correctly AS2 - Report faults or errors as they occur AS3 - Take action to maintain systems to prevent faults or errors	There are no merit criteria for this component	There are no distinction criteria for this component
Amplification and guidance		
<p>Aviation systems hardware</p> <p>Aviation management systems in this section could include handheld devices such as tablets, networked laptop and desktop computer systems that contribute to the overall management of ground operations.</p> <p>The key message is that the aviation systems are at your normal place of work and are those that you would be expected to be able to use in a competent manner as part of your normal job role. You should be competent in the actions that you should take in the event of a system failure.</p> <p>Security and legal regulations</p> <p>Including data protection legislation, copyright and display screen equipment (DSE) legislation</p>		

Disruption incidents & emergencies		
Knowledge	Skills	Behaviour
Implement and monitor emergency procedures in own area of responsibility, the range of potential incidents and disruption that may occur and the appropriate action to take	Monitor area of responsibility and take appropriate action to reduce the impact of emergencies, incidents or disruption	Handle all tasks in a calm and organised manner
On-demand test		
Indicative assessment criteria		
DI1 - Outline how to identify, analyse and accurately describe the incident/emergency DI2 - Outline how to recognise when an incident/emergency exists DI3 - Outline how to agree with others how you will know the incident/emergency has been solved DI4 - Outline how to use a variety of methods to come up with different ways of tackling the incident/emergency DI5 - Outline how to compare the main features of each approach and use this information to justify the method you decide to use DI6 - Outline how to plan your chosen way of solving the incident/emergency to include resources, methods, the sequence of steps to be taken and timeline, including points for checking progress DI7 - Outline the necessary actions to meet health and safety procedures and other regulations and ways to overcome difficulties DI8 - Identify and gain the relevant authority to carry out a plan, and review this regularly to check progress		
Professional discussion		
Indicative assessment criteria		
DI9 - Describe the procedures to collect, interpret and share information about current and potential incidents/emergencies DI10 - Identify any connected problems and the range of factors affecting them DI11 - Identify a number of available methods for resolving complex aviation incidents/emergencies DI12 - Describe how to consult with others to identify and confirm the options available DI13 - Outline how to consider the main features , advantages, disadvantages and risks of each option in order to find the most appropriate solution DI14 - Suggest other ways that incidents/emergencies may be resolved if you are not able to help		

DI15 - Outline the appropriate actions, working with others if required, to ensure that any commitments related to solving the incident/emergency are kept

DI16 - Describe how to keep others fully informed about what is happening to resolve the incident/emergency

DI17 - Describe how to handle all tasks in a calm and organised manner

Amplification and guidance

The key message is that you should be clear on the actions that you should take in the event of an incident or an emergency.

This includes incidents both landside (terminal buildings) and airside (airfield).

Use different methods to analyse the problem, including breaking it down into manageable sub-problems (simplifying), investigating its effects on other people (broadening its focus), looking at the problem from different viewpoints, checking if the problem changes from place to place or over time (reframing) and comparing it with similar problems.

Variety of methods

Such as written, visual, numerical and physical techniques, your imagination and creative ideas from working with others.

Main features

Including the value (pay-off), and risks (likelihood and consequences of failure).

Relevant authority to carry out a plan, and review this regularly

Gain the approval for your plan from a person who has authority and expertise, such as your line manager or specialist. Put your plan into action, make judgements about when support and feedback would be helpful from others, such as those affected by the problem and specialists, and use this effectively to help tackle the problem. Review your plan regularly to check progress and to decide on any necessary revisions to your approach.

Dangerous goods	
Knowledge	Skills
Dangerous goods relevant to a range of aviation operations and how to deal with them effectively in own area of responsibility	Deal effectively with dangerous goods in own area of responsibility
On-demand test	
Indicative assessment criteria	
DG1 - Acknowledge and understand the general philosophy and handling requirements of dangerous goods DG2 - Identify how to recognise classification of dangerous goods DG3 - Identify potential hidden hazards in cargo and baggage DG4 - Understand general storage and/or loading procedures of dangerous goods DG5 - Acknowledge and understand the emergency procedures in the event of a dangerous goods incident	
Professional discussion	
Indicative assessment criteria	
DG6 - Describe how to operate safely when exposed to dangerous goods DG7 - Explain how to deal with dangerous goods effectively in accordance with organisational procedures and responsibilities	
Amplification and guidance	
<p>Principles of storage, carriage and handling of dangerous goods</p> <p>Passengers, staff and flight crews; safety data sheets (SDS), Department for Transport (DfT) regulations, Health and Safety Executive (HSE), Driver and Vehicle Standards Agency (DVSA), manual handling, authorisation notices, Office of Rail and Road (ORR), Maritime and Coastguard Agency (MCA), Civil Aviation Authority (CAA). European agreement concerning the international carriage of dangerous goods by road (ADR).</p> <p>The key message is to be aware of the dangerous goods in own area of responsibility and the actions to take in the event of an incident or emergency.</p>	

Aviation timescales		
Knowledge	Skills	Behaviour
Key timelines for aviation operations performance and consequences of not meeting them	Operate each stage of the aviation operations performance to ensure timely aircraft movements	Embrace and promote the values of the organisation. Display loyalty, integrity and accountability to the organisation
Professional discussion		
Indicative assessment criteria		
<p>AT1 - Describe how to effectively collect, maintain and process operational information relating to aircraft movements and operating conditions from all available sources</p> <p>AT2 - Describe the role and function of government and international agencies including ICAO, IATA and CAA</p> <p>AT3 - Outline reference sources for compliance with national and international rules and regulations, and aeronautical facilities</p> <p>AT4 - Outline your organisation's operations manual</p> <p>AT5 - Outline your organisation's communications and recording systems and procedures</p>		
Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
AT6 - Ensure minimum performance expectations are met in own area of responsibilities	AT7 - Ensure team within area of responsibility work efficiently to meet and exceed timescales to complete tasks	AT8 - Organise and prioritise work to make the most efficient use of time, and complete core and relevant additional tasks within timescales

The operation of an airside vehicle

Knowledge	Skills	
Briefing the team to prepare a vehicle prior to use airside, and procedures for safe operation of airside vehicles, including how to deal with incidents or emergency while operating an airside vehicle	Monitor team members preparing to use a vehicle airside, ensure vehicle operations comply with aviation standard operating procedures and implement the correct procedures in the event of incidents or emergencies with an airside vehicle	
On-demand test		
Indicative assessment criteria		
OV1 - Describe organisational and regulatory standards for the operational condition of the vehicle OV2 - Describe types of authorisation, identification, permits and licences needed to drive various vehicles OV3 - Explain why routine vehicle maintenance is important OV4 - Describe organisational procedures and how they apply to airside traffic OV5 - Describe how to safely manoeuvre a vehicle while airside OV6 - Describe the characteristics of the vehicle being operated OV7 - Identify the required personal protective equipment (PPE) and explain why this needs to be appropriate to the task, the weather, visibility and noise level OV8 - Describe hazards that could occur when driving airside OV9 - Describe types of and sources of faults, foreign object debris and spillages, and organisational procedures for reporting them OV10 - Describe organisational procedures for operating emergency cut-off switches, phones and alarms OV11 - Describe organisational procedures for dealing with airside hazards		
Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
OV12 - Ensure correct personal protective equipment (PPE) is worn when driving OV13 - Ensure team members hold in-date driving authorisation for the vehicle	OV18 - Park the vehicle safely in correct areas in line with organisational procedures OV19 - Demonstrate the knowledge of how to give priority to moving	OV22 - Drive in a way that recognises other vehicle movements on the airfield OV23 - Take remedial action when foreign objects or

<p>OV14 - Ensure the vehicle has been inspected before use and take remedial action in response to any vehicle faults</p> <p>OV15 - Operate the vehicle in a controlled manner in all conditions</p> <p>OV16 - Follow airside road signs, markings, and traffic lights at all times</p> <p>OV17 - Make sure that all doors and shutters (where relevant) are closed when driving the vehicle</p>	<p>aircraft; reverse the vehicle in line with aviation and organisational procedures</p> <p>OV20 - Secure vehicle loads in line with organisational procedures</p> <p>OV21 - Take the most direct route between places on the airfield whenever possible</p>	<p>spillages are seen on the airfield</p> <p>OV24 - Report dangerous or unsafe practices to the correct person</p>
Amplification and guidance		
<p>Safely manoeuvre a vehicle while airside</p> <ul style="list-style-type: none"> • Explain the importance of airside safety instructions • Describe airside areas including roads, apron areas, movement areas, runways, manoeuvring areas • Identify airside road signs, markings, airfield lighting and traffic lights • Identify aircraft runway and taxiway crossing points • Describe the airport and stand layout or equivalent • Identify speed limits and explain why it is important to keep within the speed limit • Describe airside parking regulations • Explain types of aircraft servicing operations and the related vehicles, procedures and hazards • Describe the characteristics of the vehicle being operated including height, length, width, handling/steering, specific hazards • Describe regulations concerning reversing • Describe the effect that weather conditions have on driving airside including snow, ice, high winds, rain and surface water <p>Airside hazards Including spillages, dangerous goods, livestock, foreign object debris, disabled vehicles/equipment, disabled aircraft</p>		

Operate aviation specialist equipment

Knowledge	Skills
The requirements and responsibilities of self and team members in checking specialised equipment prior to use, ensuring safe operation and correct storage after use	Monitor and supervise team members carrying out daily inspections prior to using the specialist equipment, ensuring its safe operation and that it is left in a safe, secure, allocated area after use
On-demand test	
Indicative assessment criteria	
<p>OA1 - Explain the selection of individual pieces of specialist equipment</p> <p>OA2 - Describe the common causes of defects when using specialist equipment and the appropriate reporting procedures</p> <p>OA3 - Explain the procedures for operating, recharging and refuelling specialist equipment</p> <p>OA4 - Describe actions to take if staff are operating equipment unsafely</p> <p>OA5 - Explain the need to use the correct method of operation of the specialist equipment in line with organisational policies and safe working procedures</p> <p>OA6 - Define the sequence and priority of access to the aircraft for equipment and service providers</p> <p>OA7 - Explain the procedures to be followed in the event of breakdown of equipment</p> <p>OA8 - Define the correct vehicle guidance signals in line with International Air Transport Association (IATA) and airport handling manual (AHM) or equivalent</p> <p>OA9 - Describe the time at which it is appropriate to remove the equipment from the aircraft, and the penalties that apply to illegal parking of equipment</p> <p>OA10 - Explain how severe weather impacts upon the safe parking of equipment and what additional measures will need to be taken</p> <p>OA11 - Describe the factors which improve or prevent effective working with specialist equipment</p>	

Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
OA12 - Arrived punctually OA13 - Dressed in the correct PPE OA14 - Suitably trained with good awareness of specialisation OA15 - Ensure the correct equipment for the task is being used OA16 - Ensure pre-use checks are carried out effectively OA17 - Ensure standard operating procedures are adhered to	OA18 - Demonstrate a thorough knowledge of the task to the team by way of a brief OA19 - Identify a number of hazards which may be associated with the equipment and explain the measures in place to safeguard these	OA20 - Correctly identify, report and follow through rectification procedures OA21 - Plan and conduct the safe and expeditious movement of aircraft within the area of responsibility

Airside marshalling

Knowledge	Skills
How team prepare the area and required equipment prior to marshalling of aircraft and/or vehicles, correct marshalling procedures, including the correct monitoring of operation of marshalling equipment and team members	Monitor the team to ensure correct preparation of the airside environment for marshalling of aircraft and/or vehicles, and monitor marshalling of aircraft and/or vehicles in accordance with organisation's standard operating procedures
On-demand test	
Indicative assessment criteria	
<p>AM1 - Describe local operator's/client's procedures and airport regulations as applicable</p> <p>AM2 - Describe the health and safety risks and hazards to self and others when preparing to marshal aircraft</p> <p>AM3 - Identify what makes up the correct marshalling equipment</p> <p>AM4 - Explain organisational procedures relating to the use of equipment</p> <p>AM5 - Describe how to interpret communications from the flight-deck crew of an aircraft</p> <p>AM6 - Describe the dimensional characteristics of the aircraft that will be marshalled</p> <p>AM7 - Describe the relevance of civil aviation publications, rules of the air, visual aid handbooks or organisational equivalents</p> <p>AM8 - Describe how to use and understand marshalling signals</p> <p>AM9 - Describe how to activate organisational emergency procedures when marshalling aircraft</p> <p>AM10 - Explain the acceptable timescales for communications in line with organisational procedures</p> <p>AM11 - Describe organisational and airport's low-visibility procedures</p> <p>AM12 - Explain commonly used aviation codes relevant to own job role, and sources of information of less commonly used codes</p> <p>AM13 - Demonstrate the phonetic alphabet and explain why it is used</p> <p>AM14 - Explain organisational reporting procedures</p>	

Practical observation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
AM15 - Ensure the correct marshalling equipment is available AM16 - Wear the correct personal protective equipment (PPE) for marshalling AM17 - Prepare the aircraft stand/ramp area for activity AM18 - Interpret and use correct, clear signals to and from the flight deck of an aircraft correctly AM19 - Identify which route the aircraft is to be marshalled AM20 - Provide the flight deck crew with guidance to safely position aircraft	AM21 - Ensure that the aviation area is clear of foreign object debris (FOD) AM22 - Demonstrate an awareness of adjacent aviation activity AM23 - Ensure correct number of personnel are available to safely move the aircraft AM24 - Coordinate the actions of marshallers and other functions	AM25 - Take action to reduce adjacent conflicting activity AM26 - Demonstrate a sound awareness of all emergency signals

The safe manoeuvring of aircraft vehicles and personnel airside

Knowledge	Skills
The rules and regulations for aircraft, vehicles and personnel operating airside and how to ensure compliance with airport safety requirements	Ensure the rules and regulations for aircraft, vehicles and team members operating airside are adhered to in accordance with airport safety requirements, identify and report risks and ensure compliance in line with organisational procedures
On-demand test	
Indicative assessment criteria	
SM1 - Identify and explain organisational by-laws relevant to the movement and operation of aircraft, vehicles and personnel while airside SM2 - Explain operational safety instructions related to ensuring the safety of vehicles and personnel operating airside SM3 - Identify personal protective equipment (PPE) for personnel working airside SM4 - Explain the apron discipline and vehicle management procedures for managing vehicles SM5 - Explain organisational procedures for reporting unsafe activity SM6 - Explain organisational procedures for investigating and reporting accidents SM7 - Explain organisational adverse weather procedures	
Professional discussion	
Indicative assessment criteria	
SM8 - Describe how to investigate and deal with an unsafe act or accident in line with organisational procedures SM9 - Describe the monitoring procedures for the operation of airside vehicles SM10 - Describe how to monitor the behaviour of staff operating airside to ensure compliance with local requirements in line with organisational procedures SM11 - Identify aircraft fuelling practices, ensuring they meet safety requirements in line with organisational procedures SM12 - Outline how to complete relevant documentation in line with organisational procedures SM13 - Distribute information related to the investigation to staff, in line with organisational procedures	

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Assessment summary

The end-point assessment for aviation ground specialist - aircraft movement is made up of 3 components:

1. 2 x 1-hour on-demand tests, each consisting of 30 questions
2. 1-hour practical observation
3. 1-hour professional discussion

The assessments can be taken in any order.

As an employer/training provider, you should agree a plan and schedule with the apprentice to ensure all assessment components can be completed effectively.

Each component of the end-point assessment will be assessed against the appropriate criteria laid out in this guide, which will be used to determine a grade for each individual component.

On-demand tests

- The core test is not graded above a pass
- The specialist test is graded pass/merit/distinction
- To achieve a pass, apprentices must achieve 60% which equates to 18 out of 30
- To achieve a merit, apprentices must achieve 70% which equates to 21 out of 30
- To achieve a distinction, apprentices must achieve 80% which equates to 24 out of 30

Practical observation

- To achieve a pass in the practical observation, all pass criteria must be covered.
- To achieve a merit in the practical observation, in addition to the pass criteria, the apprentice must achieve all of the core merit criteria and at least 5 of the 10 aircraft movement merit criteria.
- To achieve a distinction in the practical observation, in addition to the pass and merit conditions as stipulated above, the apprentice must complete all of the distinction criteria.

Professional discussion

- To achieve a pass in the professional discussion, all pass criteria must be covered
- Additionally, any practical observation **pass** criteria not covered by the selected scenario will need to be covered
- The professional discussion is not graded above a pass

Grading

The specialist function on-demand test and the observation are both graded pass/merit/distinction. The core knowledge on-demand test and the professional discussion are not graded above a pass. The table below demonstrates the different grading combinations and the resulting overall grade.

A grade of at least a pass must be achieved in all 4 assessments.

Core knowledge on-demand test	Professional discussion	Specialist function on-demand test	Practical observation	Overall grade
Pass	Pass	Pass	Pass	Pass
Pass	Pass	Pass	Merit	Pass
Pass	Pass	Pass	Distinction	Merit
Pass	Pass	Merit	Pass	Pass
Pass	Pass	Merit	Merit	Merit
Pass	Pass	Merit	Distinction	Merit
Pass	Pass	Distinction	Pass	Merit
Pass	Pass	Distinction	Merit	Merit
Pass	Pass	Distinction	Distinction	Distinction

Retake and resit information

Apprentices must pass all assessment activities to pass the apprenticeship overall. Should an apprentice fail 1 assessment activity, then this can be retaken without a further period of training and development. If the apprentice fails 2 or more activities a period of further training and development lasting a minimum of 2 months must take place before a resit.

There is no maximum number of times an apprentice can be assessed; however, a maximum of 2 attempts at each assessment activity can be made in any 90-day period.

When undertaking a resit or retake, the assessment method(s) will need to be re-attempted in full, regardless of any individual assessment criteria that were passed on any prior attempt. The EPA Report will contain feedback on areas for development and resit or retake guidance and a retake checklist to be submitted when the professional review has taken place.

Apprentices who achieve a pass grade cannot resit or retake the EPA to achieve a higher grade.

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Assessing the on-demand tests

The following knowledge areas of the aviation ground operative - aircraft movement standard will be assessed by two 1-hour on-demand tests each consisting of 30 questions with a pass mark of 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 aircraft movement. The test can be taken as either an on-screen assessment or via paper.

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 aircraft movement specialist knowledge test are listed below.

- The operation of an airside vehicle
- Operate aviation specialist equipment when moving an aircraft
- Airside marshalling
- The safe manoeuvring of aircraft vehicles and personnel airside

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

Mocks/practice assessments for both the core and aircraft handling on-demand tests are available in both paper and on-screen format from the Highfield Assessment website.

On-demand tests criteria

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

The apprentice will	Criteria covered in the on-demand test
Safety	
<p>Understand the health and safety legislation in aviation and in relation to own role and organisation and how to monitor it</p>	<p>SA1 - Outline your organisation's systems, procedures and practices designed to maintain health and safety including those relating to work patterns, work methods and housekeeping and how these impact on others</p> <p>SA2 - Outline your organisation's procedures for dealing with staff who are not meeting health and safety procedures</p> <p>SA3 - Outline your organisation's emergency procedures</p> <p>SA4 - Identify the relevant aviation and health and safety legislation and European directives and the effect they have on your area of responsibility</p> <p>SA5 - Describe organisational and legal health and safety requirements</p> <p>SA6 - Identify hazards in the workplace</p>

The apprentice will	Criteria covered in the on-demand test
Security	
<p>Understand the requirements for maintaining aviation security in own area of authority and action to take in the event of a breach of security</p>	<p>SE1 - Outline the relevant powers contained in security regulations SE2 - Outline specified, banned, illegal and dangerous items SE3 - Outline the relevant documents and authorities to be aware of SE4 - Outline the different areas of the airport and what authorisation is needed to access various areas SE5 - Describe your roles and responsibilities in relation to security SE6 - Identify signs of suspicious behaviour or unusual incidents, using threat or risk analysis SE7 - Describe your organisation's procedures for restricting access to people, authorized areas and vehicles SE8 - Outline internal and statutory security testing procedures SE9 - Identify your organisation's procedures for raising or responding to alarms SE10 - Identify your organisation's procedures for dealing with actual or suspected security threats SE11 - Outline DfT guidance, including threat levels: critical/severe/substantial/moderate/low</p>

The apprentice will	Criteria covered in the on-demand test
Compliance & legislation	
<p>Understand the aviation and other applicable legislation, procedures and regulations relating to an aviation environment, and monitoring procedures within own area of responsibility</p>	<p>CL1 - Outline the requirements for compliance in the aviation environment CL2 - Outline which procedures must be followed to ensure compliance CL3 - Describe the impact of not following procedures and ensuring compliance CL4 - Describe the impact of the aviation operation on the environment CL5 - Identify environmental controls in the aviation operation CL6 - Describe your responsibilities to monitor compliance in the aviation operation</p>

The apprentice will	Criteria covered in the on-demand test
Communication	
<p>Understand the methods of communication to ensure effective and timely transfer of information to different audiences using relevant language and format</p>	<p>CO1 - Outline available lines and methods of communication, including oral, written, electronic, carried out by self and carried out by others</p> <p>CO2 - Identify relevant communications equipment including telephone, electronic, radiotelephone and megaphone</p> <p>CO3 - Outline organisational procedures relating to use of communications equipment</p> <p>CO4 - Outline organisational procedures regarding malfunctioning equipment</p> <p>CO5 - Identify relevant aviation guidelines, procedures, standard phrases and the phonetic alphabet</p> <p>CO6 - Identify commonly used aviation codes relevant to your job role, and sources of information for less commonly used codes</p> <p>CO7 - Describe your organisation's systems for processing and storing information</p> <p>CO8 - Outline what is confidential and commercially sensitive information</p> <p>CO9 - Describe organisational procedures for communicating messages and reporting to seniors, colleagues or external sources</p>

The apprentice will	Criteria covered in the on-demand test
Disruption incidents & emergencies	
<p>Understand how to implement and monitor emergency procedures in own area of responsibility, the range of potential incidents and disruption that may occur and the appropriate action to take</p>	<p>DI1 - Outline how to identify, analyse and accurately describe the incident/emergency DI2 - Outline how to recognise when an incident/emergency exists DI3 - Outline how to agree with others how you will know the incident/emergency has been solved DI4 - Outline how to use a variety of methods to come up with different ways of tackling the incident/emergency DI5 - Outline how to compare the main features of each approach and use this information to justify the method you decide to use DI6 - Outline how to plan your chosen way of solving the incident/emergency to include resources, methods, the sequence of steps to be taken and timeline, including points for checking progress DI7 - Outline the necessary actions to meet health and safety procedures and other regulations and ways to overcome difficulties DI8 - Identify and gain the relevant authority to carry out a plan, and review this regularly to check progress</p>

The apprentice will	Criteria covered in the on-demand test
Dangerous goods	
<p>Understand the dangerous goods relevant to a range of aviation operations and how to deal with them effectively in own area of responsibility</p>	<p>DG1 - Acknowledge and understand the general philosophy and handling requirements of dangerous goods DG2 - Identify how to recognise classification of dangerous goods DG3 - Identify potential hidden hazards in cargo and baggage DG4 - Understand general storage and/or loading procedures of dangerous goods DG5 - Acknowledge and understand the emergency procedures in the event of a dangerous goods incident</p>

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

The apprentice will	Criteria covered in the on-demand test
The operation of an airside vehicle	
<p>Understand how to brief the team to prepare a vehicle prior to use airside, and procedures for safe operation of airside vehicles, including how to deal with incidents or emergency while operating an airside vehicle</p>	<p>OV1 - Describe organisational and regulatory standards for the operational condition of the vehicle OV2 - Describe types of authorisation, identification, permits and licences needed to drive various vehicles OV3 - Explain why routine vehicle maintenance is important OV4 - Describe organisational procedures and how they apply to airside traffic OV5 - Describe how to safely manoeuvre a vehicle while airside OV6 - Describe the characteristics of the vehicle being operated OV7 - Identify the required personal protective equipment (PPE) and explain why this needs to be appropriate to the task, the weather, visibility and noise level OV8 - Describe hazards that could occur when driving airside OV9 - Describe types of and sources of faults, foreign object debris and spillages, and organisational procedures for reporting them OV10 - Describe organisational procedures for operating emergency cut-off switches, phones and alarms OV11 - Describe organisational procedures for dealing with airside hazards</p>

The apprentice will	Criteria covered in the on-demand test
Operate aviation specialist equipment	
<p>Understand the requirements and responsibilities of self and team members in checking specialised equipment prior to use, ensuring safe operation and correct storage after use</p>	<p>OA1 - Explain the selection of individual pieces of specialist equipment</p> <p>OA2 - Describe the common causes of defects when using specialist equipment and the appropriate reporting procedures</p> <p>OA3 - Explain the procedures for operating, recharging and refuelling specialist equipment</p> <p>OA4 - Describe actions to take if staff are operating equipment unsafely</p> <p>OA5 - Explain the need to use the correct method of operation of the specialist equipment in line with organisational policies and safe working procedures</p> <p>OA6 - Define the sequence and priority of access to the aircraft for equipment and service providers</p> <p>OA7 - Explain the procedures to be followed in the event of breakdown of equipment</p> <p>OA8 - Define the correct vehicle guidance signals in line with International Air Transport Association (IATA) and airport handling manual (AHM) or equivalent</p> <p>OA9 - Describe the time at which it is appropriate to remove the equipment from the aircraft, and the penalties that apply to illegal parking of equipment</p> <p>OA10 - Explain how severe weather impacts upon the safe parking of equipment and what additional measures will need to be taken</p> <p>OA11 - Describe the factors which improve or prevent effective working with specialist equipment</p>

The apprentice will	Criteria covered in the on-demand test
Airside marshalling	
<p>Understand how the team prepare the area and required equipment prior to marshalling of aircraft and/or vehicles, correct marshalling procedures, including the correct monitoring of operation of marshalling equipment and team members</p>	<p>AM1 - Describe local operator's/client's procedures and airport regulations as applicable</p> <p>AM2 - Describe the health and safety risks and hazards to self and others when preparing to marshal aircraft</p> <p>AM3 - Identify what makes up the correct marshalling equipment</p> <p>AM4 - Explain organisational procedures relating to the use of equipment</p> <p>AM5 - Describe how to interpret communications from the flight-deck crew of an aircraft</p> <p>AM6 - Describe the dimensional characteristics of the aircraft that will be marshalled</p> <p>AM7 - Describe the relevance of civil aviation publications, rules of the air, visual aid handbooks or organisational equivalents</p> <p>AM8 - Describe how to use and understand marshalling signals</p> <p>AM9 - Describe how to activate organisational emergency procedures when marshalling aircraft</p> <p>AM10 - Explain the acceptable timescales for communications in line with organisational procedures</p> <p>AM11 - Describe organisational and airport's low-visibility procedures</p> <p>AM12 - Explain commonly used aviation codes relevant to own job role, and sources of information of less commonly used codes</p> <p>AM13 - Demonstrate the phonetic alphabet and explain why it is used</p> <p>AM14 - Explain organisational reporting procedures</p>

The apprentice will	Criteria covered in the on-demand test
The safe manoeuvring of aircraft vehicles and personnel airside	
Understand the rules and regulations for aircraft, vehicles and personnel operating airside and how to ensure compliance with airport safety requirements	SM1 - Identify and explain organisational by-laws relevant to the movement and operation of aircraft, vehicles and personnel while airside SM2 - Explain operational safety instructions related to ensuring the safety of vehicles and personnel operating airside SM3 - Identify personal protective equipment (PPE) for personnel working airside SM4 - Explain the apron discipline and vehicle management procedures for managing vehicles SM5 - Explain organisational procedures for reporting unsafe activity SM6 - Explain organisational procedures for investigating and reporting accidents SM7 - Explain organisational adverse weather procedures

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Assessing the practical observation

Each observation will last 1 hour and the apprentices will not know in advance which scenario or task they will be given on the day of their assessment. Due to the safety and security required, particularly when an external visitor is required to go airside, the end-point assessor will confirm the assessment activities with the employer up to 14 days in advance of the assessment.

As part of best observation practice the assessor will ask questions appropriate to the observation to further clarify knowledge and understanding and evidence behaviours. Questioning should be conducted at an appropriate time and not interfere with the completion of the tasks being observed. If necessary, questions can be asked after the observation has been completed.

Each scenario covers a different selection of the standard's elements and Highfield Assessment have designed detailed tools and procedures carefully in order to ensure all apprentices are assessed to the same level. Multiple apprentices in the same workplace will be tested over a range of the 3 scenarios and not all complete the same one.

The practical assessment is an observation of the apprentice in the aviation environment and may include real work activities such as loading an aircraft, or simulated activities such as extinguishing an aircraft fire, allowing the apprentice to demonstrate how they have applied their knowledge, skills and behaviours in a real work environment to achieve genuine and demanding work objectives. Areas covered in the scenarios not selected for the observation will be covered in the professional discussion.

The practical observation provides the opportunity for substantial synoptic assessment against the relevant elements of the standard. The observation must be scheduled when the apprentice will be working in their normal place of work and will also:

- be conducted at a time that avoids seasonal periods of low levels of trading and reflects typical working conditions
- allow the apprentice to demonstrate all aspects of the standard being observed (e.g. the apprentice cannot be assessed on loading an aircraft if there is no load available)
- take a synoptic approach to observing the overall competence

The end-point assessor will plan the observation in advance with the employer, brief the apprentice fully on the day, and follow assessment criteria that are set by Highfield, which will be subject to quality assurance. The observation must be carried out in one session.

Observation assessment criteria for the core and aircraft handling elements of the standard are detailed in the section below.

Before the assessment:

Employers/training providers should:

- plan potential practical observation scenarios to allow the apprentice the opportunity to demonstrate each of the required assessment criteria
- ensure the apprentice knows the date, time and location of the assessment
- ensure the apprentice knows which criteria will be assessed in each scenario (outlined on the following pages)
- encourage the apprentice to reflect on their experience and learning on-programme to understand what is required to meet the standard
- be prepared to provide clarification to the apprentice, and signpost them to relevant parts of their on-programme experience as preparation for this assessment

Specialist function scenarios - aircraft movement

1. The operation of an airside vehicle

Observations of a learner ensuring all staff are following correct procedures before, during and after the operation of any aviation vehicle. Make sure that personal driving authorisation is appropriate and current for the vehicle and that the vehicle has been inspected and remedial action is taken for any faults; monitor that all aviation driving regulations are adhered to.

2. Operate aviation specialist equipment when moving an aircraft

Observation of a learner ensuring all staff have selected the correct piece of specialist equipment and a pre-use inspection is completed. Certify that function checks of the specialist equipment have been completed. Monitor how safety equipment is worn/used and the behaviour of staff operating airside to ensure compliance with local requirements. Utilise the equipment and ensure that its use is in accordance with the operating procedures to move the aircraft safely and storing equipment correctly after use.

3. Airside marshalling

Observation of a learner marshalling an aircraft, to include interpreting signals from the flight-deck crew/brake personnel of an aircraft. Wear the correct personal protective equipment (PPE) for marshalling. Ensure a wing walker is provided when required and identify the safest route for the aircraft. Provide the movement's crew with guidance to safely position an aircraft correctly.

The practical observation - mock assessment

It is the employer/training provider's responsibility to prepare apprentices for their end-point assessment, and Highfield recommend that the apprentice experiences a mock practical observation in preparation for the real thing. The most appropriate form of mock assessment will depend on the apprentice's setting and the resources available at the time.

When designing a mock assessment, the employer/training provider should include the following elements in its planning:

- the mock observation should take place in a real workplace, or a realistic simulation if the real workplace does not present all the required assessment opportunities
- the participation of other personnel to play the parts of customers and team members:
 - it is strongly recommended that the mock observation has been practised beforehand and all personnel involved are properly briefed on their roles
 - the roles should provide the opportunity for the apprentice to demonstrate the pass, merit and distinction level criteria
- a 1-hour time slot should be available for the complete practical observation, if it is intended to be a complete mock observation covering all relevant standards; however, this time may be split up to allow for progressive learning.
- consider a video recording of the mock assessment, and allow it to be observed by other apprentices, especially if it is not practicable for the employer/training provider to carry out a separate mock assessment with each apprentice
- ensure that the apprentice's performance is assessed by a competent trainer/assessor, and that feedback is shared with the apprentice to complete the learning experience; the mock assessment sheets may be used for this purpose and are available to download from the Highfield Assessment website

Practical observation criteria

During the practical observation, the following standards should be evidenced. The apprentice can only achieve a merit by covering all pass and all merit criteria for the observation scenario they have been assigned. The apprentice can only achieve a distinction by meeting the above conditions for a merit, and in addition, covering all distinction criteria for the scenario they have been assigned.

Core assessment criteria

Safety		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
SA7 - Ensure self and team correctly report hazards as identified SA8 - Act within standard operating procedures at all times SA9 - Take action to deal with hazards in line with organisational procedures	There are no merit criteria for this component	There are no distinction criteria for this component

Compliance & legislation		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
CL7 - Ensure area of responsibility complies with procedures and legislative requirements	CL8 - Ensure compliance of team members within area of responsibility CL9 - Correct non-compliance in area of responsibility	CL10 - Proactively promote compliance with procedures and legislation, e.g. challenge suspicious persons

Communication		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
CO10 - Ensure accurate and timely communication with the right people at the right time using the correct method CO11 - Ensure communication is received and understood CO12 - Adapt language and tone to match audience and situation	CO13 - Ensure all communications are effective and understood, anticipating additional appropriate information requirements and liaising with key people to facilitate ongoing information flow	CO14 - Ensure excellent communication with all internal and external stakeholders

Interpersonal skills		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
IP8 - Work as part of a team to ensure adequate performance in the role IP9 - Provide appropriate guidance for team members	IP10 - Take initiative as a senior team member or supervisor to improve performance in the role, within limits of operation	There are no distinction criteria for this component

Aviation systems		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
AS1 - Ensure prescribed systems are used correctly AS2 - Report faults or errors as they occur AS3 - Take action to maintain systems to prevent faults or errors	There are no merit criteria for this component	There are no distinction criteria for this component

Aviation timescales		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
AT6 - Ensure minimum performance expectations are met in own area of responsibilities	AT7 - Ensure team within area of responsibility work efficiently to meet and exceed timescales to complete tasks	AT8 - Organise and prioritise work to make the most efficient use of time, and complete core and relevant additional tasks within timescales

Specialist function assessment criteria

Scenario 1

The operation of an airside vehicle		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
<p>OV12 - Ensure correct personal protective equipment (PPE) is worn when driving</p> <p>OV13 - Ensure team members hold in-date driving authorisation for the vehicle</p> <p>OV14 - Ensure the vehicle has been inspected before use and take remedial action in response to any vehicle faults</p> <p>OV15 - Operate the vehicle in a controlled manner in all conditions</p> <p>OV16 - Follow airside road signs, markings, and traffic lights at all times</p> <p>OV17 - Make sure that all doors and shutters (where relevant) are closed when driving the vehicle</p>	<p>OV18 - Park the vehicle safely in correct areas in line with organisational procedures</p> <p>OV19 - Demonstrate the knowledge of how to give priority to moving aircraft; reverse the vehicle in line with aviation and organisational procedures</p> <p>OV20 - Secure vehicle loads in line with organisational procedures</p> <p>OV21 - Take the most direct route between places on the airfield whenever possible</p>	<p>OV22 - Drive in a way that recognises other vehicle movements on the airfield</p> <p>OV23 - Take remedial action when foreign objects or spillages are seen on the airfield</p> <p>OV24 - Report dangerous or unsafe practices to the correct person</p>

Scenario 2

Operate aviation specialist equipment		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
OA12 - Arrived punctually OA13 - Dressed in the correct PPE OA14 - Suitably trained with good awareness of specialisation OA15 - Ensure the correct equipment for the task is being used OA16 - Ensure pre-use checks are carried out effectively OA17 - Ensure standard operating procedures are adhered to	OA18 - Demonstrate a thorough knowledge of the task to the team by way of a brief OA19 - Identify a number of hazards which may be associated with the equipment and explain the measures in place to safeguard these	OA20 - Correctly identify, report and follow through rectification procedures OA21 - Plan and conduct the safe and expeditious movement of aircraft within the area of responsibility

Scenario 3

Airside marshalling		
To pass, the following must be evidenced	To gain a merit	To gain a distinction
AM15 - Ensure the correct marshalling equipment is available AM16 - Wear the correct personal protective equipment (PPE) for marshalling AM17 - Prepare the aircraft stand/ramp area for activity AM18 - Interpret and use correct, clear signals to and from the flight deck of an aircraft correctly AM19 - Identify which route the aircraft is to be marshalled AM20 - Provide the flight deck crew with guidance to safely position aircraft	AM21 - Ensure that the aviation area is clear of foreign object debris (FOD) AM22 - Demonstrate an awareness of adjacent aviation activity AM23 - Ensure correct number of personnel are available to safely move the aircraft AM24 - Coordinate the actions of marshallers and other functions	AM25 - Take action to reduce adjacent conflicting activity AM26 - Demonstrate a sound awareness of all emergency signals

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Assessing the professional discussion

The end-point assessment plan states that the professional discussion will be a structured discussion between the apprentice and the end-point assessor. The employer may be present to support, but not lead, the apprentice and to confirm information at the assessor's request.

The professional discussion will take place either in person or via videoconference. This will be organised by Highfield's scheduling team once the apprentice has been submitted for gateway.

The employer will not be allowed to add any further information or examples to what the apprentice has stated, or lead them in any way. Highfield would encourage the employer/training provider and the apprentice to plan for the professional discussion and consider what resources they may bring with them to support them during their professional discussion. This must be their own work and will only be used to support their discussion. The professional discussion should take place after the practical observation, to establish the apprentice's understanding and application of the remaining knowledge, skills and behaviours.

The professional discussion will need to take place in a suitable environment and should last for 1 hour. The discussion will be against the set criteria that are outlined in the following pages and will be appropriately structured to draw out the best of the apprentice's energy, enthusiasm, competence and excellence.

The professional discussion will recognise areas that have already been covered in the simulated practical observation so as not to re-assess an area in which the apprentice has already demonstrated competence. The number of questions asked during the professional discussion will vary according to the breadth and depth of the answers given (and how many follow-on questions are required) but as a minimum there must be 15 questions asked to cover all the criteria requirements and give full opportunity for the apprentice to demonstrate all the requirements.

The purpose of the professional discussion is to clarify any questions the end-point assessor has for specified standards:

- confirm and validate judgements about the quality of work
- explore aspects of the work, including how it was carried out, in more detail
- discuss how the apprentice would behave in the scenarios not assigned
- ask questions in relation to personal development and reflection

Before the assessment:

Employers/training providers should:

- plan the professional discussion to allow the apprentice the opportunity to demonstrate each of the required standards
- ensure the apprentice knows the date, time and location of the assessment
- ensure the apprentice knows which criteria will be assessed (outlined on the following pages)
- encourage the apprentice to reflect on their experience and learning on-programme to understand what is required to meet the standard
- be prepared to provide clarification to the apprentice, and signpost them to relevant parts of their on-programme experience as preparation for this assessment

It is suggested that a mock assessment is carried out by the apprentice in advance of the end-point assessment with the training provider/employer giving feedback on any areas for improvement.

The professional discussion - mock assessment

It is the employer/training provider's responsibility to prepare apprentices for their end-point assessment, and Highfield recommend that they experience a mock professional discussion in preparation for the real thing. The most appropriate form of mock assessment will depend on the apprentice's setting and the resources available at the time.

When designing a mock assessment, the employer/training provider should consider the following elements in their planning:

- a 30-minute time slot should be available for the complete professional discussion. If it is intended to be a complete mock assessment covering all relevant standards; however, this time may be split up to allow for progressive learning.
- consider an audio recording of the mock, and to allow the mock to be heard by other apprentices, especially if it is not practicable for the employer/training provider to carry out a separate mock assessment with each apprentice.
- ensure that the apprentice's performance is assessed by a competent trainer/assessor, and that feedback is shared with the apprentice, to complete the learning experience. The mock assessment sheets may be used for this purpose, and are available to download from the Highfield Assessment website.
- structured 'open' questions should be used as part of the professional discussion which do not lead the candidate, but allows them to express their knowledge in a calm and comfortable manner. Example questions that you can use for a mock assessment are listed below.

The professional discussion - example questions

The following are example questions to demonstrate the sort of questions apprentices can expect to encounter during the professional discussion.

Security:	
<p>‘What security measures are in place where you work?’</p> <p>‘Describe a potential security breach at your workplace and the actions that you would take.’</p>	
Interpersonal skills:	
<p>‘What are the impacts of your actions while at work?’</p> <p>‘Tell me about the importance of feedback.’</p>	
Disruption incidents & emergencies:	
<p>‘What information do you need when an incident occurs?’</p> <p>‘Tell me how you would deal with an incident.’</p>	
Dangerous goods:	
<p>‘Tell me how your organisation deals with dangerous goods.’</p>	

Aviation timescales:	
<p>'How would you monitor and evidence aircraft movements?'</p> <p>'Tell me about your organisation's external compliance requirements.'</p>	

The safe manoeuvring of aircraft vehicles and personnel airside:	
<p>'Tell me how you would deal with an unsafe act, while airside.'</p> <p>'Tell me about what management is needed of airside vehicles.'</p>	

Professional discussion criteria

Throughout the professional discussion, the assessor will review the apprentice's competence in all of the pass criteria outlined below; therefore, apprentices should prepare for the professional discussion by considering how the criteria can be met.

To pass, the following must be evidenced

Security

- SE12 - Describe how to fulfil your responsibilities for securing particular areas or items
- SE13 - Describe how to keep access points secure according to your organisation's procedures and your own job responsibilities
- SE14 - Outline how to report problems in the security of actual or possible access points
- SE15 - Outline security procedures relating to visitors to the site or a specified area
- SE16 - Outline the importance of completing the relevant documents accurately and clearly
- SE17 - Outline the procedures to report actual or suspected breaches of security at an appropriate level
- SE18 - Describe the importance of communicating information about actual or suspected security threats calmly, clearly and using appropriate discretion
- SE19 - Identify the appropriate actions to take in the event of unusual incidents which may present a security risk
- SE20 - Identify the appropriate remedial action to take when you become aware of faults, damage to security equipment or problems with security
- SE21 - Describe how to be vigilant and proactive in promoting a safe, secure and compliant working culture

To pass, the following must be evidenced

Interpersonal skills

- IP1 - Describe organisational systems and procedures for developing your own and others' personal performance in customer service
- IP2 - Outline how your behaviour impacts on others
- IP3 - Outline how to effectively review your personal strengths and development needs
- IP4 - Outline how to compile a personal development plan for yourself or a colleague that will build on strengths and overcome weaknesses in areas that are important to customer service
- IP5 - Outline how to obtain useful and constructive personal feedback from others and respond positively
- IP6 - Outline how to compile a coaching plan that will build on the strengths of the learner and overcome their weaknesses in areas that are important to customer service and their job role
- IP7 - Outline how to give useful and constructive personal feedback to others and encourage them to respond positively

To pass, the following must be evidenced

Disruption incidents & emergencies

- DI9 - Describe the procedures to collect, interpret and share information about current and potential incidents/emergencies
- DI10 - Identify any connected problems and the range of factors affecting them
- DI11 - Identify a number of available methods for resolving complex aviation incidents/emergencies
- DI12 - Describe how to consult with others to identify and confirm the options available
- DI13 - Outline how to consider the main features, advantages, disadvantages and risks of each option in order to find the most appropriate solution
- DI14 - Suggest other ways that incidents/emergencies may be resolved if you are not able to help
- DI15 - Outline the appropriate actions, working with others if required, to ensure that any commitments related to solving the incident/emergency are kept
- DI16 - Describe how to keep others fully informed about what is happening to resolve the incident/emergency
- DI17 - Describe how to handle all tasks in a calm and organised manner

To pass, the following must be evidenced

Dangerous goods

- DG6 - Describe how to operate safely when exposed to dangerous goods
- DG7 - Explain how to deal with dangerous goods effectively in accordance with organisational procedures and responsibilities

To pass, the following must be evidenced

Aviation timescales

- AT1 - Describe how to effectively collect, maintain and process operational information relating to aircraft movements and operating conditions from all available sources
- AT2 - Describe the role and function of government and international agencies including ICAO, IATA and CAA
- AT3 - Outline reference sources for compliance with national and international rules and regulations, and aeronautical facilities
- AT4 - Outline your organisation's operations manual
- AT5 - Outline your organisation's communications and recording systems and procedures

To pass, the following must be evidenced

The safe manoeuvring of aircraft vehicles and personnel airside

SM8 - Describe how to investigate and deal with an unsafe act or accident in line with organisational procedures

SM9 - Describe the monitoring procedures for the operation of airside vehicles

SM10 - Describe how to monitor the behaviour of staff operating airside to ensure compliance with local requirements in line with organisational procedures

SM11 - Identify aircraft fuelling practices, ensuring they meet safety requirements in line with organisational procedures

SM12 - Outline how to complete relevant documentation in line with organisational procedures

SM13 - Distribute information related to the investigation to staff, in line with organisational procedures

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