

UNIT 3: SECURITY IN THE AVIATION INDUSTRY



Unit 3: Security in the Aviation Industry

Unit code: Y/602/5676

QCF Level 3: BTEC National

Credit value: 4

Guided learning hours: 30

UNIT 3: SECURITY IN THE AVIATION INDUSTRY

AIM AND PURPOSE

The aim of this unit is for learners to gain knowledge and understanding of the importance, maintenance, implementation and regulation of security within the aviation industry.

UNIT INTRODUCTION

Aviation security can be viewed in many ways – it can be an inconvenience to the travelling public or a vital tool in the prevention of terrorist incidents; it is implemented by highly visible personnel, some of whom may be armed, or it uses covert stealth and intelligence tactics to succeed. Whichever way you look at it, aviation security is a fact of life and is here to stay. How successful it is in achieving its stated aims of protecting human life, company assets and business integrity largely depends on how it is carried out.

Aviation is a high-profile global industry that remains an attractive target for individuals or groups wishing to publicize their grievances and who seem to have no regard for death and injury caused by a terrorist attack. The nature of the threat to aviation security is constantly changing, so it is essential that security agencies operate within a coordinated domestic and international network to share intelligence and develop a unified strategy to stay one step ahead.

Less frequently in the headlines, but also of significance, is the requirement to protect the aviation industry from more conventional threats such as theft and fraud. Security services help to ensure that millions of passenger bags and hundreds of thousands of tonnes of air cargo are not interfered with while in the airport environment.

In this unit learners will discover how aviation security is implemented and regulated within the UK, as well as how responses to the ever-changing threat of terrorism are harmonized and improved.

Learning Outcomes:

1. LO1. Understand the Importance of Security in the Aviation Industry
2. LO2. Understand how Security is Regulated in the Aviation Industry.
3. LO3. Understand how security systems and procedures are implemented and co-ordinated in the aviation industry
4. LO4. Understand how systems and procedures are used to monitor, control and improve aviation security.

LO1. Understand the Importance of Security in the Aviation Industry

LO2. Understand how Security is Regulated in the Aviation Industry.

CLASS of : CLASS DISCUSSION AND ACTIVITIES

LESSON DELIVERY

- 1) Introduction and overview of the unit.
- 2) Brain storming session to determine why security is so important in the aviation industry
- 3) Group discussion to determine the types of incident that can occur within the terminal and also in the air.
 - buildings, e.g. unauthorized persons airside, unauthorized articles found within passenger baggage, bomb threat, unattended baggage within the terminal
 - aircraft, e.g. hijack, suspicious package found during turnround/in-flight, inbound flight with hijackers/ suspected bomb on board
 - passengers and staff, e.g. violence towards staff/passengers in the terminal and towards aircrew/ passengers on board, theft from baggage, stolen baggage, unauthorized staff, misuse of passports/ tickets
- 4 Discussion – Is aviation security just a local issue?
- 5) Group Discussion to determine the importance of maintaining a secure environment
 - legal, e.g. duty of care, liability, threat of prosecution
 - public image, e.g. maintain public confidence and trust, maintain industry confidence, avoid negative publicity, protect the business
 - prevention, e.g. removal of opportunities for security breaches, high-profile security systems, protection of the travelling public
- 6) Small-group discussions – How do security incidents occur?
- 7) Group Discussion on security regulation and legislation
 - laws, e.g. Aviation and Maritime Security Act 1990, Anti-terrorism, Crime and Security Act 2001, Policing and Crime Act 2009, Air Navigation Order 2005 including updates
 - local airport regulations and bylaws

- company regulations

8) Discussion on responsibilities of employees and supervisors

- supervisors, e.g. fulfil all legal requirements, conduct background checks, ensure criminal record bureau (CRB) checks are complete, investigate suspected breaches, discipline offenders, report known breaches to security authorities
- employees, e.g. follow security instructions, cooperate with security staff, wear pass when on duty, report any suspected security breaches immediately, take personal responsibility for reporting security issues, remain vigilant at all times

9) Group discussion on the role of regulatory bodies and organizations

- Home Office (police and anti-terrorism legislation)
- Department for Transport (DfT – TRANSEC) (airport security legislation)
- CAA (compliance with Air Navigation Order – CAP393)
- International Civil Aviation Organization (ICAO) (global coordination)
- airport authority, e.g. security staff, provision of accommodation/facilities
- local authority, e.g. provision of local police
- airlines/handling agents/concessionaires, e.g. vetting staff, compliance with current regulations, reporting suspect staff
- role, e.g. legal responsibility, enforcement, coordination

Learners are directed on:

- 1) The importance of security in the aviation industry.
- 2) How security is regulated in the aviation industry

UNIT 3: LO1 & 2 GRADED ASSIGNMENTS GUIDELINES

LESSON 1: P1 – P2 – P 3 – P4 – P5 - M1

ASSIGNMENT TITLE: Security in the Aviation Industry

ASSESSMENT METHOD: Group Presentation

CASE STUDY/SCENARIO: Working for a security company at a busy UK airport. You will be giving a talk to new employees on the importance of security in the aviation industry and security regulations.

P1. To achieve a Pass Grade for P1, the evidence must show that you are able to: **Describe different types of security incidents that can occur relating to buildings, aircraft, passengers and staff.**

To achieve P1, learners must describe the types of security incident that can realistically be expected to occur within an airport and on an aircraft in relation to both passengers and staff. Learners should describe two incidents within the terminal and two incidents on an aircraft.

P2. To achieve a Pass Grade for P2, the evidence must show that the learner is able to: **Explain the importance of maintaining a secure environment in aviation.**

To achieve P2, learners must explain the importance of maintaining a secure environment within the aviation industry, ensuring that examples of legal, public image and prevention (as listed in the unit content) are addressed. This will be presented in conjunction with P1.

P3. To achieve a Pass Grade for P2, the evidence must show that the learner is able to: **Summarize security regulations and legislation.**

To achieve P3, learners must summarize the most important security regulations and legislation affecting aviation security referring to the unit content. Some local regulations not listed may be included. This could be integrated with P5.

P4. To achieve a Pass Grade for P2, the evidence must show that the learner is able to: **Outline the responsibilities of supervisors and employees in complying with security regulations and legislation.**

To achieve P4, learners must produce an outline of the responsibilities of supervisors and general airport workers in complying with the legislation and regulations identified in P3. Some of the examples listed in the unit content should be addressed within the evidence.

P5. To achieve a Pass Grade for P2, the evidence must show that the learner is able to: **Explain the role of the regulatory bodies and organizations involved in aviation security.**

To achieve P5, learners must briefly explain the key role of regulatory bodies and other organizations involved with security within the aviation industry. This may be produced in conjunction with P3.

M1. To achieve a Merit Grade the evidence must show that, in addition to the pass criteria, you are able to: **Explain how security breaches have occurred.**

To achieve M1, learners must explain how security breaches have occurred. It would be beneficial for learners to use real-life scenarios in their explanation. For example, learners could look at how an unauthorized person could gain access to airside or how unauthorized articles have been found within passenger baggage.

UNIT 3: SECURITY IN THE AVIATION INDUSTRY SCORE SHEET

NAME OF STUDENT:

DATE:

Learning Outcome	Students Must Meet ALL The Following Requirements For PASS Grade	ACHIEVED	
		YES	NO
LO 1. Know the structure of the UK aviation industry	LO 1 & 2: Understand the importance of security in the aviation industry <i>TASK: You should carry out this task as an Employee at a busy airport:</i>		
	1. Briefly describe what is meant by “Security”		
	2. For P1 : Describe different types of security incidents that can occur relating to buildings, aircraft, passengers and staff.		
	3. For P2 : Explain the importance of maintaining a secure environment in aviation.		
	4. For P3 : Summarize security regulations and legislation.		
	5. For P4 : Outline the responsibilities of supervisors and employees in complying with security regulations and legislation.		
	6. For P5 : Explain the role of the regulatory bodies and organizations involved in aviation security.		
	7. For M1 : Explain and draw Conclusions about: How security breaches have occurred.		
	THE STUDENT’S WRITTEN REPORT USING POWER POINT IS:		
	8. Carrying Out the command in P1 : To Describe which means: “Give an account, including all the relevant characteristics, qualities, or events.”		
	9. Carrying Out the command in P2, P5 and M1 : To Explain which means: “To give account of the purposes or reasons.”		
	10. Carrying Out the command in P3 : To Summarize which means: “To sum up or to put things into your own words or to create a précis of the information discussed.”		
	11. Carrying Out the command in P4 : To Outline which means: “A description setting out main characteristics/points.”		
	12. Discussing the <u>topics and perspectives related to</u> your research findings and the Course Content outlined in the Syllabus.		
	13. Citing reliable sources used in your work whether paraphrased or directly quoted.		
	14. Using Harvard Referencing Style properly.		
	15. Acceptable level of College Writing exhibited: Spelling, Punctuation, Grammar, Usage and Sentence Structures.		
16. Presenting specific examples in the aviation industry.			
17. Meeting Professional Guidelines for Power Point Presentation			
	The Student Is Awarded A: PASS Grade MERIT Grade DISTINCTION Grade	YES	NO
Name Of Assessor:		Date Of Assessment:	