

Recognise airside hazards and minimise risks

Overview

This standard is about working safely in an airside environment. This involves being able to recognise airside hazards and understand the associated risks. This also involves understanding your own personal responsibilities in maintaining a safe environment, following your organisation's and airport/airfield procedures; and adhering to health and safety legislation.

This standard is for those who work in ground operations in an airport.

When you have completed this standard, you will be able to demonstrate your knowledge of and ability to

- Recognise airside hazards and minimise risks

Performance criteria

You must be able to:

1. Identify where to find relevant information on your organisation's and the airport/airfields health and safety standard operating procedures and how they affect you, the wider team and your operational area
2. Identify the main causes of airside accidents and incidents
3. Recognise the potential consequences of not following organisational and airport/airfield airside safety procedures
4. Report and record accidents, incidents and near misses in line with your organisation's and the airport/airfield's procedures and relevant legal requirements
5. Recognise the types of airside signs and markings and their importance
6. Follow organisational procedures and relevant legal requirements for keeping yourself, colleagues and passengers and visitors safe whilst airside
7. Take action to deal with any airside hazards that occur and minimise risks in line with organisational and airport/airfield procedures and within your limits of authority and relevant legal requirements.

Knowledge and understanding

You need to know and understand:

1. Your organisation's and the airport/airfield's health and safety standard operating procedures and relevant airport byelaws, and where to find them
2. The types of consequences of not operating safely in an airport/airfield environment
3. The types of airside hazards and how they can be prevented
4. The common causes of airside accidents and incidents
5. The types of hazardous materials and associated procedures and emergency protocols, and where to find them
6. Your organisation's and the airport/airfield's procedures and current legal requirements for reporting and recording incidents, accidents and near misses
7. The importance of remaining vigilant to risks within your area of responsibility and following safety rules
8. The effects of adverse weather and precautions to take
9. The layout of the airside area, including the ramp / apron, runway and taxiway
10. The location, meaning and significance of airside signs and markings
11. The types dangers from aircraft and from vehicles other than aircraft
12. The actions to take to prevent injury from aircraft
13. The types of personal protective equipment (PPE) and when to wear it in line with relevant legislative and organisational and airport/airfield requirements
14. The dangers from foreign object debris (FOD) and the importance of keeping areas clean and tidy at all times
15. The dangers from birds and other wild animals and the importance of making sure that that the area does not attract them
16. The emergency areas such as fire assembly points, areas for emergency response vehicles and emergency response procedures and protocols
17. The importance of completing required training for the use of airside equipment
18. The importance of holding a valid driving permit to operate vehicles airside
19. Your organisation's and airport/airfield procedures and relevant legal requirements for keeping yourself, colleagues and passengers safe whilst airside
20. Your organisation's and the airport/airfield's procedures and your limits of authority for dealing with airside hazards and minimising risks

Scope/range

Possible costs of not following airside safety procedures:

- a) Health & Wellbeing
- b) Downtime
- c) Reputational
- d) Financial Airside signs and markings:
 - a) service roads
 - b) equipment parking areas
 - c) no parking areas
 - d) interstand clearways
 - e) demarcation between aircraft parking stands
 - f) live taxiways
 - g) helicopter landing hotspots
 - h) areas where people are allowed and are not allowed to walk including pedestrian walkways

Incidents and accidents include:

- a) Injuries
- b) Aircraft damage
- c) Spillages

Airside layout:

- a) Where the ramp area is: the surface area from the building to the rear of the aircraft stands including the apron
- b) Operating areas for aircraft, vehicles and pedestrians

Dangers from aircraft include:

- a) jet blast
- b) ingestion
- c) being hit
- d) excessive noise
- e) propellers
- f) rotors
- g) downdraft

Actions to take to prevent injury from approaching aircraft:

- a) check that it is chocked
- b) check that anti-collision lights are off
- c) check rotors stationary

Personal Protective Equipment:

- a) ear protection
- b) high visibility clothing
- c) other personal protective equipment

Adverse weather includes:

- a) wind
- b) snow
- c) heat
- d) sun

e) ice

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