



REPUBLIC OF KENYA

**COMPETENCY BASED MODULAR CURRICULUM FOR
AIRPORT OPERATIONS KNQF LEVEL 6**

(CYCLE 3)

PROGRAMME ISCED CODE: 1015 554 A



**TVET CDACC
P.O. BOX 15745-00100 NAIROBI**

AIRSIDE SAFETY

ISCED UNIT CODE: 101555105A

TVET CDACC UNIT CODE: LOG/CU/AO/CR/03/6/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: **Manage Airside Safety**

Duration of Unit: 180 Hours

Unit Description

This unit specifies the competencies required to manage airside safety. It involves developing emergency and damage control plans, developing security risk management plans, maintaining the operational systems, organizing emergency drills, managing airside emergencies, maintaining operational safety and maintaining security risks response.

Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Develop airside emergency control plans	20
2.	Develop airside security risk management plans	25
3.	Maintain airside safety operational security systems	30
4	Plan and conduct airside emergency drills	25
5	Coordinate responses to airside emergencies	30
6	Maintain airside operational safety standards	25
7	Maintain airside security risk mitigation measures	25
	Total	180

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
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<p>1. Develop Airside Emergency Control Plans</p>	<p>1.1 Introduction to airside safety 1.2 Airside Personal protective equipment (PPE) 1.3 Airside operating procedures 1.4 Airside hazards and mitigation 1.5 Airside emergency response plan 1.6 Importance of emergency plan</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
<p>2. Develop Airside Security Risk Management Plans</p>	<p>2.1 Meaning of terms 2.2 Risks and threats identification 2.3 Types of security risks 2.4 Effective security planning 2.5 Security drills 2.6 Risk control measures</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
<p>3. Maintain Airside Safety Operational Security Systems</p>	<p>3.1 Introduction to safety security systems 3.2 Security awareness 3.3 Security threats assessment 3.4 Integrated safety management systems. 3.5 Management commitment and communication to stakeholders.</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
<p>4. Plan and Conduct Airside Emergency Drills</p>	<p>4.1 Meaning of terms. 4.2 Emergency drill planning. 4.3 Types of drills. 4.4 Objectives of drills. 4.5 Drill procedures. 4.6 Legal objectives. 4.7 Tips of effective emergency drill. 4.8 Emergency preparedness. 4.9 Evacuation procedures.</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
<p>5. Coordinate responses to airside emergencies</p>	<p>5.1 Introduction to airside emergencies. 5.2 Emergency communication. 5.3 Emergency preparedness plan. 5.4 Emergency respond</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report

	<p>procedures.</p> <p>5.5 Emergency equipment.</p> <p>5.6 Rescue and firefighting services.</p> <p>5.7 International and national standards.</p>	<ul style="list-style-type: none"> • Interviewing • Project and report writing •
6. Maintain Airside Operational Safety Standards	<p>6.1 Introduction to airside safety.</p> <p>6.2 Safety audits.</p> <p>6.3 Safety approaches and standards.</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
7. Maintain Airside Security Risk Mitigation Measures	<p>7.1 Introduction to airside security risk.</p> <p>7.2 Airside Security risks identification</p> <p>7.3 Respond procedures.</p> <p>7.4 Security risk management.</p> <p>7.5 Maintaining security risk management.</p> <p>7.6 Aviation cyber security strategies.</p> <p>7.7 Aviation terrorism and security.</p> <p>7.8 Emerging trends.</p> <p>7.9 Aviation cyber-crimes.</p>	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing

Suggested Methods of Delivery

- Project
- Demonstration by trainer
- Practice by the trainee
- Discussions
- Direct instruction
- Case study
- Audio –visual aids

Recommended Resources

- Refuelers
- Tugs and tractors
- Ground power units
- Buses
- Container loader
- Transporters
- Air Start Unit (ASU)
- Potable water trucks
- Lavatory service vehicles
- Catering vehicle
- Belt loaders
- Passenger boarding steps/stairs
- Pushback tugs and tractors
- De/anti-icing vehicles