



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**

AIRPORT ECONOMICS

ISCED UNIT CODE: 101555111A

TVET CDACC UNIT CODE: LOG/CU/AO/CR/08/6/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: **Apply Airport Economics**

Duration of Unit: 140 Hours

Unit Description

This unit specifies the competencies required to apply airport economics. It involves applying airport economic principles, evaluating airport economic aspects, reviewing economic work and maintaining airport economic policies.

Summary of Learning Outcomes

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

S/No	Learning Outcomes	Duration (Hours)
1.	Apply airport economic principles	40
2.	Evaluate airport economic aspects	35
3.	Review economic work	20
4	Maintain airport economic policies	45
	Total	140

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Apply Airport Economic Principles	1.1 Introduction to airport economics 1.2 Ways of generating income 1.3 Cost recoveries 1.4 Microeconomic theory 1.5 Capital management	<ul style="list-style-type: none">• Written tests• Observation• Oral questions• Third party report• Interviewing

	1.6 Economic principles 1.7 Airport capacity 1.8 Competition 1.9 Market planning	<ul style="list-style-type: none"> • Project and report writing
2. Evaluate Airport Economic Aspects	2.1 Meaning of terms 2.2 Introduction to financial modelling techniques 2.3 Sources of airport funds 2.4 Asset pricing models 2.5 Airport economic impact 2.6 Airport economic effects.	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
3. Review Economic Work	3.1 Benefits economic analysis. 3.2 Periodic review. 3.3 Audit plans. 3.4 Quality assurance. 3.5 Economic principles evaluation. 3.6 Economic key performance indicators. 3.7 Management of change process.	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
4. Maintain Airport Economic Policies	4.1 Airport slots management. 4.2 Maintaining airport economic value. 4.3 Assessment Quality assurance policies. 4.4 Economic collaborative decision marking (CBM). 4.5 Gross domestic products evaluation. 4.6 Economies of scale. 4.7 Use of economic models. 4.8 Resources allocation.	<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