



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**

DANGEROUS GOODS MANAGEMENT

ISCED UNIT CODE: 101555103A

TVET CDACC UNIT CODE: LOG/CU/AO/CC/02/6/MA

Relationship to Occupational Standards

This unit addresses the Unit of Competency: **Manage Dangerous Goods**

Duration of Unit: 100 Hours

Unit Description

This unit specifies the competencies required to manage dangerous goods. It involves inspecting dangerous goods, classifying dangerous goods, preparing dangerous goods records, and loading/off-loading dangerous goods.

Summary of Learning Outcomes

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

S/No	Learning Outcomes	Duration (Hours)
1.	Inspect dangerous goods	15
2.	Classify dangerous goods	25
3.	Package dangerous goods	15
4	Prepare dangerous goods records	20
5	Load/off-load dangerous goods	25
	Total	100

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Inspect Dangerous Goods	1.1 Introduction to dangerous goods 1.2 Characteristics of dangerous goods 1.3 Types of dangerous goods 1.4 Screening procedures 1.5 Methods of screening 1.6 Methods of packaging	<ul style="list-style-type: none">• Written tests• Observation• Oral questions• Third party report• Interviewing• Project and report

	1.7 Labelling methods 1.8 Examination procedures	writing
2. Classify Dangerous Goods	2.1 Meaning of terms 2.2 Importance of classification 2.3 Classification of dangerous goods 2.4 Ways of dangerous goods identification 2.5 International and national standards	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
3. Package Dangerous Goods	3.1 Meaning of terms 3.2 Packaging objectives 3.3 Methods of packaging 3.4 Packaging materials elements 3.5 Packaging procedures 3.6 Packaging rules and regulations	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
4. Load/Off-Load Dangerous Goods	4.1 Introduction to load/offload of dangerous goods 4.2 Loading/offloading of dangerous goods tools and equipment 4.3 Load/offload procedures 4.4 Handling techniques 4.5 Work place safety practises	<ul style="list-style-type: none"> • Written tests • Observation • Oral questions • Third party report • Interviewing • Project and report writing
5. Prepare Dangerous Goods Records	5.1 Meaning of terms 5.2 Importance of record keeping 5.3 Material safety data declaration 5.4 Ways of records preparation 5.5 Storage procedures 5.6 Storage methods 5.7 National and international standards	<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