



REPUBLIC OF KENYA

NATIONAL OCCUPATIONAL STANDARDS

FOR

AIRPORT OPERATIONS MANAGER

KNQF LEVEL 6

ISCED PROGRAMME CODE: 1015 554 A



TVET CDACC
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CARRY OUT AERODROME WORKS

TVET CDACC UNIT CODE: LOG/OS/AO/CR/06/6/MA

UNIT DESCRIPTION

This unit specifies the competencies required to determine aerodrome works. It involves inspecting aerodrome serviceability, reporting hazardous unserviceability, facilitating repairs aerodrome, reporting aerodrome serviceability, facilitating aerodrome access and maintaining aerodrome works.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function.	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the range.</i>
1. Inspect aerodrome serviceability	1.1 Access to aerodrome is arranged as per the organizational policies and guidelines. 1.2 Aerodromes are inspected for hazards and unserviceability as per the SOPs. 1.3 Unserviceability of the aerodrome is identified in accordance with workplace procedures. 1.4 Unserviceability is rectified in accordance with workplace procedures and regulatory requirements.
2. Report hazardous unserviceability	2.1 Official notification of hazardous situations or unserviceabilities, are assessed as per the SOPs. 2.2 Relevant authorities or organizations are notified of hazardous situations or unserviceabilities in accordance with workplace procedures and regulatory requirements 2.3 Reports are prepared and disseminated in accordance with workplace procedures.
3. Facilitate aerodrome repairs	3.1 Organizations are notified of works that may disrupt aircraft operations in accordance with workplace procedures.

	<p>3.2 Temporary aerodrome marks, markings and lighting are deployed based on repairs as per the work place procedures.</p> <p>3.3 Communication procedures are established as per the organizational requirements.</p> <p>3.4 Hazardous situations and unserviceabilities are rectified in accordance with workplace procedures and regulatory requirements.</p>
<p>4. Report aerodrome serviceability</p>	<p>4.1 Restoration of aerodrome serviceability is determined in accordance with workplace procedures.</p> <p>4.2 Temporary aerodrome marks, markings and lighting are removed based on repairs as per the work place procedures.</p> <p>4.3 Authorities are notified of restoration of aerodrome serviceability in accordance with workplace procedures and regulatory requirements.</p>
<p>5. Facilitate aerodrome access</p>	<p>5.1 Access and authorization for vehicles and personnel are determined in accordance with workplace procedures.</p> <p>5.2 Personnel, vehicles and equipment entering airside are inspected based on compliance requirements.</p> <p>5.3 Facilitation of works personnel and vehicles is carried out as per the work place requirements.</p> <p>5.4 Vehicles are inspected and marked as per the work place requirements.</p>
<p>6. Prepare aerodrome works</p>	<p>6.1 Notification of impending aerodrome works is confirmed as per the work place procedures.</p> <p>6.2 Processes for safe conduct of aerodrome works are developed or adapted based on drawings and Method of Working Plans (MOWPs) in accordance with workplace procedures.</p> <p>6.3 Factors that affect the safety and/or security of an aviation workplace are determined.</p> <p>6.4 Workplace hazards are identified as per the</p>

	<p>SOPs.</p> <p>6.5 Risks are assessed and control measures put in place as per the work place procedures.</p>
<p>7. Maintain aerodrome works.</p>	<p>7.1. Unserviceability markers and barriers are established in accordance with workplace procedures and regulations</p> <p>7.2. Aerodrome works are facilitated in accordance with MOWPs or other workplace procedures.</p> <p>7.3. Activities of personnel, vehicles and plant on the movement area are managed as per the organizational requirements.</p> <p>7.4. Works are performed in accordance with relevant MOWP or Notice to Airmen (NOTAM).</p>

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
<p>1. Aerodromes includes but not limited to:</p>	<ul style="list-style-type: none"> • Aerodrome environs: • Areas surrounding navigational aids • Buildings • Drainage systems • Fences and gates
<p>2. Workplace hazards include but not limited to:</p>	<ul style="list-style-type: none"> • aircraft noise • aircraft movements • aircraft propellers and rotors • dust • exposed electrical leads and connections • foreign object debris (FOD) • fumes
<p>3. Aerodrome hazards include but are not limited to</p>	<ul style="list-style-type: none"> • animal and bird hazards and objects becoming hazards within obstacle limitation areas • movement areas:

	<ul style="list-style-type: none"> • apron • clearway
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REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required skills

The individual needs to demonstrate the following skills:

- Critical Thinking
- Time Management
- Decision Making
- Communication

Required knowledge

The individual needs to demonstrate knowledge of:

- Distance measuring equipment
- Instrument landing system
- Non-directional beacons
- Signal circle markers
- Unserviceability lighting
- Unserviceability cross markers
- Unserviceability cones

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

<p>1. Critical Aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Inspected aerodrome for unserviceability 1.2 Reported hazardous unserviceability 1.3 Facilitated aerodrome repairs 1.4 Reported aerodrome unserviceability 1.5 Demonstrated the ability to facilitate aerodrome access 1.6 Demonstrated the ability to prepare aerodrome works 1.7 Maintained aerodrome works.
<p>2. Resource</p>	<p>The following resources should be provided:</p>

<p>Implications</p>	<p>2.1 Access to relevant workplace where assessment can take place</p> <p>2.2 Appropriately simulated environment where assessment can take place</p> <p>2.3 Resources relevant to proposed activity or task</p>
<p>3. Methods of Assessment</p>	<p>Competency may be accessed through:</p> <p>3.1 Observation</p> <p>3.2 Written tests</p> <p>3.3 Oral questioning</p> <p>3.4 Third party reports</p>
<p>4. Context of Assessment</p>	<p>Competency may be assessed:</p> <p>4.1 On-the- job</p> <p>4.2 Off the job</p> <p>4.3 Work place attachment</p> <p>4.4 Off the job assessment must be undertaken in a closely simulated workplace environment.</p>
<p>5. Guidance information for assessment</p>	<p>Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.</p> <p>Attitude is assessed alongside supervising aviation practices.</p>