



**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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NAIROBI

## MARSHAL AIRCRAFT

TVET CDACC UNIT CODE: LOG/OS/AO/CR/04/6/MA

### UNIT DESCRIPTION

This unit specifies the competencies required to marshal aircraft. It involves preparing aircraft for marshaling, establishing aircraft parking and conducting aircraft marshaling.

### ELEMENTS AND PERFORMANCE CRITERIA

<b>ELEMENT</b> These describe the <b>key outcomes</b> which make up <b>workplace function</b> .	<b>PERFORMANCE CRITERIA</b> These are <b>assessable</b> statements which specify the required level of performance for each of the elements. <i><b>Bold and italicized terms are elaborated in the range.</b></i>
1. Prepare Aircraft for marshaling.	1.1 Arrival/departure information is received and processed in accordance with workplace procedures. 1.2 Personal protective equipment is identified and selected as per work place procedures. 1.3 <i><b>Marshaling</b></i> requirement for different aircraft is determined as per the organization requirements. 1.4 Hazards and risks are identified and assessed based on hazard management as per the organization procedures. 1.5 Aircraft parking position is identified and confirmed as per work place procedures. 1.6 Marshaling records are prepared and processed in accordance with workplace procedures.
2. Establish aircraft parking	2.1 <i><b>Marshaling equipment</b></i> , aircraft parking, and ancillary support equipment are identified and selected in accordance with manufacturer instructions and workplace procedures. 2.2 Aircraft parking movement is conducted in accordance with workplace procedures. 2.3 Environmental factors are monitored as per organization procedures.
3. Carry out aircraft marshaling	3.1 Procedures during aircraft marshaling are established as per organization requirements. 3.2 Marshaling signals and/or communications are determined as per the SOPs.

	<p>3.3 Visual contact with pilot, other aircrew and/or ground staff is maintained as per work place procedures.</p> <p>3.4 Safety distances between aircraft and ground personnel/obstructions are identified and maintained.</p> <p>3.5 Aircraft is secured in accordance with workplace procedures.</p> <p>3.6 Wind speed and direction are monitored as per SOPs.</p>
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**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.

<b>Variable</b>	<b>Range</b>
1. Marshaling includes but not limited to:	<ul style="list-style-type: none"> <li>• Aircraft parking</li> <li>• Allocating and prioritizing</li> <li>• Cargo loading and unloading</li> <li>• Hover</li> <li>• Hover taxiing</li> <li>• Refueling operations</li> <li>• Rotor engagement</li> <li>• Start-up</li> <li>• Shutdown</li> </ul>
2. Marshaling equipment include but not limited to:	<ul style="list-style-type: none"> <li>• Flags</li> <li>• Hand signals</li> <li>• Paddles</li> <li>• Torches</li> <li>• Wands</li> </ul>

**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:

- communicating

- standard hand signals
- Identify and correctly use marshaling and ancillary support equipment
- Complete documentation related to marshaling aircraft
- Interpersonal

### **Required knowledge**

The individual needs to demonstrate knowledge of:

- Aircraft danger zones
- Aircraft operating restrictions in confined areas
- Day and night marshaling signals
- Effects of wind speed and direction on aircraft
- Landing/taking-off and starting of aircraft
- Manufacturer instructions for equipment used for marshaling aircraft
- Marshaling, ground support and aircraft equipment selection and serviceability

### **EVIDENCE GUIDE**

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

1. Critical Aspects of Competency	Assessment requires evidence that the candidate: <ul style="list-style-type: none"> <li>1.1 Prepared aircraft for marshaling.</li> <li>1.2 Established aircraft parking.</li> <li>1.3 Carried out aircraft marshaling</li> </ul>
2. Resource Implications	The following resources should be provided: <ul style="list-style-type: none"> <li>2.1 Access to relevant workplace where assessment can take place</li> <li>2.2 Appropriately simulated environment where assessment can take place</li> <li>2.3 Resources relevant to proposed activity or task</li> </ul>
3. Methods of Assessment	Competency may be accessed through: <ul style="list-style-type: none"> <li>3.1 Observation</li> <li>3.2 Written tests</li> <li>3.3 Oral questioning</li> <li>3.4 Third part reports</li> </ul>
4. Context of Assessment	Competency may be assessed: <ul style="list-style-type: none"> <li>4.1 On-the- job</li> <li>4.2 Off the job</li> </ul>

	4.3 Off the job assessment must be undertaken in a closely simulated workplace environment.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended. Attitude is assessed alongside supervising aviation practices.