



**UNITED REPUBLIC OF TANZANIA
TANZANIA CIVIL AVIATION AUTHORITY
Aeronautical Information Services**

AERONAUTICAL INFORMATION CIRCULAR

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AIC
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The following circular is hereby promulgated for information, guidance and necessary action.

Margaret T. Munyagi
Director General

PARACHUTE OPERATIONS

1.0 INTRODUCTION:

This aeronautical information circular (AIC) is promulgated for guidance to all prospective parachute jumpers and operators who would like to go in this type of operation.

The AIC provides the basic requirements for a person or organization (drop zones) to be issued with an authorisation from the TCAA prior to commencement of operations. Commercial parachute jumping including tandem jumping is also covered in this guidance.

It should be appreciated that while in some countries parachute jumping operations are conducted on a semi-self regulation whereby most aspects of safety oversight to ensure safety and consistency are delegated to associations formed by operators, this may not be the case in Tanzania. Since this type of operation in Tanzania is completely new, and there is no well established association, delegation may not be the best cause of action for now until such a time when sufficient experience has been acquired and confidence in the safety levels has been demonstrated by the would be operators. The Authority will initially have to oversight this operation. It must also be appreciated that the Authority is well aware that this is a recreational sport and will endeavour to ensure that it meets the aspirations of the enthusiasts.

This AIC therefore sets out requirements for all parachute operations that have to be followed by all organisations prior to commencement of jumping operations in the country.

The information and guidance material referenced in this AIC will assist the operator in completing the authorisation process with minimal delays and complications. It is also expected that all parachute jumping operations will be conducted in line with requirements specified in this AIC and in the safest and most professional way consistent with general safety parachuting jumping practices worldwide.

2.0 REQUIREMENTS PARACHUTE PERSONNEL

2.1. Parachute Jumping

2.1.1. Eligibility requirements:

An applicant for a Parachute Jumping Authorisation specified in 2.1.2 shall:

- (a) be at least eighteen years of age;
- (b) demonstrate the ability to read, speak, write and understand the English language;
- (c) demonstrate a level of knowledge appropriate to the privileges granted to a holder of a Parachute Jumping Authorisation; and
- (d) comply with the provisions of this AIC that apply to the Parachute Authorisation sought;
- (e) in addition to the requirements of (a) to (d), an applicant for a tandem master authorisation shall hold a Class 2 Medical certificate.

2.1.2. Authorisation types:

The Authority may issue the following types of authorisations:

- (a) student jumper;
- (b) jumper;
- (c) jumpmaster; or
- (d) tandem master.

2.1.3 Skill requirements:

An applicant for:

- (a) a jumper authorisation shall have logged not less than 25 jumps and have demonstrated to the Authority his competency in the following areas:
 - i) parachute packing;
 - ii) obtaining meteorological information;
 - iii) spotting the drop location from the aircraft;
 - iv) hand signal communication techniques and procedures; and
 - v) pre-flight briefing and "dirt diving".
- (b) a jump master authorisation shall have:
 - i) successfully completed a jump master's course;
 - ii) made 500 freefall jumps; and
 - iii) satisfactorily completed a post course of jump mastering ten students under supervision of an authorised instructor.
- (c) a tandem master authorisation shall be an experienced jumper master, trained in tandem operation and is in control of the passenger and tandem parachute equipment.

2.2. General requirements.

2.2.1 Conditions of authorisation:

- (a) a holder of a parachute jumping authorisation shall maintain a parachuting logbook of jumps;
- (b) parachute jumping shall be made only at locations approved by the Authority;
- (c) prior to each descent, the jumper or event organiser shall obtain permission from the Air Traffic Control Unit responsible for the area of the operation;
- (d) In locations with no Air Traffic Control Unit, the jumper or event organiser shall obtain permission from the Area Control Centre responsible for the area of the operation.

2.2.2 Descent requirements:

- (a) a parachute jumper shall make or attempt to make a parachute descent unless wearing two airworthy parachutes from exit to activation;
- (b) all primary and reserve parachutes shall be inspected and packed by an authorised parachute rigger not more than four months preceding each jump;
- (c) the main parachute may be packed by either the jumper or the parachute rigger;
- (d) the minimum altitude from which descents are to be made shall be such that the main canopy is duly opened at an altitude of not less than two thousand feet above ground level.

2.2.3 Aircraft used for parachute jumping:

Parachute descents shall be made only from the aircraft that have been authorised by the Authority.

2.2.4 Pilot experience and training requirements:

- (a) a pilot for the aircraft to be used for parachute jumping shall;
 - (i) be qualified and have a minimum of 200 hours of pilot-in-command time; and
 - (ii) demonstrate competence to the Authority by performing at least one drop of parachute jumpers.
- (b) the demonstration referred to in sub-paragraph (ii) must be conducted under supervision of an experienced parachuting pilot who is present in the aircraft during the check flight to ascertain the competence in the dropping operation.

2.2.5 Validity and renewal requirements:

- (a) a parachute jump master authorisation shall be valid for a period of twelve months from the date of issue or renewal;
- (b) a holder of a parachute jump master authorisation may apply for renewal of the authorisation if the holder has jump mastered 10 static line students and 5 free fall students within the six months preceding the date of application for renewal.

2.2.6 Visiting foreign parachuting jumpers:

- (a) a person who holds a parachute jumping authorisation issued by another Contracting State and who wishes to engage in parachute jumping in the United Republic of Tanzania may apply to the Authority for recognition and acceptance of his qualification;
- (b) where the Authority recognizes an authorisation tendered under paragraph (1), the holder shall be exempted from paragraphs 2.1 and 2.2 and sub-paragraph 2.3.1 of this AIC;
- (c) a holder of an authorisation under this regulation shall not be engaged in instructing students in parachute jumping or tandem operations.

2.3 Parachute Rigger

2.3.1 Authorisation requirements:

An applicant for a parachute rigger authorisation shall:

- (a) be at least eighteen years of age;
- (b) be able to read, speak, write, and understand the English language; and
- (c) comply with the requirements that apply to the authorisation that person seeks.

2.3.2 Issue of Parachute Rigger Authorization.

Where the Authority is satisfied that an applicant for a parachute rigger authorization under paragraph 2.3.1 meets the requirements for issue of such authorization, the Authority may issue the authorization.

2.3.3 Restrictions and limitations of Parachute Rigger Authorization:

- (a) a person shall not pack, maintain or alter any personnel-carrying parachute intended for emergency use in connection with an aircraft registered in Tanzania unless that person holds an appropriate authorisation on the type;
- (b) except as allowed by sub-paragraph (c), a person shall not pack, maintain or alter any main parachute of a dual parachute pack to be used for intentional jumping from a civil aircraft registered in the United Republic of Tanzania unless that person has an appropriate authorisation issued by the Authority;
- (c) a person who does not hold a parachute rigger authorisation may pack the main parachute of a dual parachute pack that is to be used by him for intentional jumping.

2.3.4 Experience, knowledge and skill requirements.

Except as provided in paragraph 2.3.6, an applicant for a parachute rigger authorisation shall:

- (a) present evidence satisfactory to the Authority of having packed at least twenty parachutes of each type for which the applicant seeks authorisation in accordance with the manufacturer's instructions and under the supervision of an authorised parachute rigger holding an authorisation for that type or a person holding an appropriate military rating; and
- (b) provide the Authority with evidence of having passed a knowledge and practical test, to the satisfaction of the Authority by demonstrating the ability to pack and maintain one type of parachute for which he seeks authorization.

2.3.5 Authorisation requirements for current or former military parachute rigger:

Notwithstanding paragraph 2.3.1, the Authority may issue to an applicant for a parachute rigger authorisation if he passes a knowledge test on the rules pertaining to parachute and parachute rigging and presents satisfactory documentary evidence that the applicant:

- (a) is an employee or former employee of Tanzania Military and within the twelve months preceding the date of application for an authorisation has performed as a parachute rigger; and
- (b) has the experience required by paragraph 2.3.4

2.3.6 Performance standards:

A holder of a parachute rigger authorisation shall not:

- (a) pack, maintain or alter any parachute unless he is authorised for that type;
- (b) pack a parachute that is not safe for emergency use;
- (c) pack a parachute that has not been thoroughly dried and aired;
- (d) alter a parachute in a manner that is not specifically authorised by the Authority or the manufacturer;
- (e) pack, maintain or alter a parachute in any manner that deviates from procedures approved by the Authority or the manufacturer of the parachute; or
- (f) exercise the privileges of the authorisation unless he understands the current manufacturer's instructions for the operation involved and has performed duties

under the authorisation for at least ninety days within the preceding twelve months or shown to the Authority the ability to perform those duties.

2.3.7 Records to be kept by Parachute Rigger.:

- (a) a holder of parachute rigger authorisation shall keep a record of the packing, maintenance and alteration of parachutes performed or supervised;
- (b) an authorised parachute rigger who packs a parachute shall enter on the parachute packing record attached to the parachute, the date and place of the packing, a notation of any defects found during any inspection, and shall sign that record with name and authorisation number;
- (c) the record required by sub-paragraph (a) shall contain, with respect to each parachute worked on, a statement of:
 - i) type and make;
 - ii) serial number;
 - iii) the name and address of the owner or user of the parachute;
 - iv) the kind and extent of the work performed;
 - v) the date when, and the place where the work was performed; and
 - vi) the results of any drop tests made with it.
- (d) a person who makes a record under sub-paragraph (a) shall keep that record for at least two years after the date the record is made.

2.3.8 Privileges.

A holder of a parachute rigger authorisation may:

- (a) pack, maintain or alter any type of parachute for which he is authorised; and,
- (b) supervise other persons in packing, maintaining or altering any type of parachute for which the holder of authorisation is authorised.

2.3.9 Validity and renewal requirements:

- (a) A parachute rigger authorisation shall be valid for a period of twenty four months from the date of issue or renewal.
- (b) A holder of a parachute rigger authorisation may apply for renewal of the authorisation if the holder has packed at least thirty six reserves parachutes within the 12 months preceding the date of application for renewal.

3.0 PARACHUTE OPERATIONS CERTIFICATE.

3.1 General.

3.1.1 Certificate requirements:

- (a) a person shall not conduct parachute operations unless that person:
 - (i) holds a parachute operations certificate;
 - (ii) complies with the privileges and limitations of the parachute operations certificate referred to in paragraph (a);
 - (iii) complies with operational standards and procedures contained in the parachute Operations Manual approved by the Authority; and
 - (iv) complies with the currency requirements determined by the Authority.
- (b) a person shall not conduct parachute operations unless there is available for use a parachute Operations Manual approved by the Authority;
- (c) in this Part, "person" includes an association, organisation or club.

3.1.2 Application for parachute operations certificate:

- (a) an applicant for a parachute operations certificate shall complete and submit an application form prescribed by the Authority which shall include the following information:

- (i) the radius of the drop zone around the target expressed in nautical miles.
 - (ii) the location of the centre of the drop zone in relation to the nearest airport, town or city;
 - (iii) each altitude above mean sea level at which the aircraft will be operated when parachutists or objects exist the aircraft;
 - (iv) the name, address, and telephone number of the person who requests the parachute operations certificate or gives notice of the parachute operation;
 - (v) the name of the air traffic control facility with jurisdiction of the airspace at the first intended exit altitude to be used for the parachute operation.
- (b) The Authority may issue a parachute operations certificate if an applicant meets the requirements of this AIC.

3.1.3 Amendment of a parachute operations certificate:

- (a) an authorisation may be amended:
 - (i) on the Authority's own initiative, under applicable laws and regulations; or
 - (ii) upon application by the holder of that parachute operations certificate.
- (b) a holder of a parachute operations certificate shall submit an application to amend a parachute operations certificate by completing a form prescribed by the Authority;
- (c) an applicant for an amendment under this AIC shall file the application to amend a parachute operations certificate before the date of the proposed commencement of that operation;
- (d) the Authority shall grant a request to amend a parachute operations certificate if it determines that it is in interest of flight safety or in public interest.

3.1.4 Validity of a parachute operations certificate:

- (a) a parachute operations certificate shall be valid for a period specified in the parachute operations certificate from the date of issue but in any case not more than twelve months, unless:
 - i) a shorter period is specified by the Authority;
 - ii) the Authority amends, suspends, revokes or otherwise terminates the parachute operations certificate;
 - iii) the parachute operations certificate holder surrenders it to the Authority; or
 - iv) the parachute operations certificate holder suspends operations
- (b) The holder of a parachute operations certificate that is suspended or revoked shall return it to the Authority.

3.1.5 Parachute operations manual:

- (a) a parachute operations certificate holder shall issue to the parachute members and persons assigned parachute operational functions, an Operations Manual which shall contain at least the following:
 - i) introduction and common abbreviations;
 - ii) safety requirements;
 - iii) student training;
 - iv) free falls styles and accuracy of landing;
 - v) skills programme;
 - vi) formation parachuting;
 - vii) artistic events;
 - viii) canopy formation;
 - ix) camera persons;
 - x) tandem operations;

- xi) extra ordinary activities;
 - xii) wing suits;
 - xiii) jump master certification course;
 - xiv) rigging rules;
 - xv) drop zone and landing area operating procedures;
 - xvi) rules for new jumpers; and
 - xvii) miscellaneous forms.
- (b) the operations manual referred to in sub-paragraph (a) shall be amended or revised as is necessary to ensure that the information contained therein is kept up to date, and all such amendments or revisions shall be issued to all personnel that are required to use the operations manual;
 - (c) a parachute operations certificate holder shall submit to the Authority a copy of the parachute operations certificate holder's entire Operations Manual for the time being in force or of such parts thereof as the Authority may specify;
 - (d) a parachute operations certificate holder shall make such amendments or additions to the operations manual as the Authority may require for the purpose of ensuring the safety of parachute jumpers and parachute passengers carried, efficiency or regularity of air navigation.

3.1.6 Designation of a safety and training personnel:

A parachute operations certificate holder shall, designate for each drop zone operation, in writing, a safety and training personnel who shall be in-charge of all operations with the following minimum qualifications:

- (a) a qualified experienced jump master with a minimum of 1000 free fall jumps and at least 2 years experience in parachute operations; and
- (b) must have successfully completed a training in safety and parachute operating procedures recognized by the Authority.

4.0 OPERATING RULES.

4.1 Use of drugs or alcohol.

A person shall not conduct parachute operation, and no pilot in command of an aircraft may allow a person to conduct a parachute operation from that aircraft, if that person is or appears to be under the influence of:

- (a) alcohol, or
- (b) any drug that affects that person's faculties in any way contrary to safety.

4.2 Hazard.

A person shall not make a parachute descent if such descent constitutes, or is likely to constitute, a safety hazard to air traffic, persons or property in the air or on the ground, the aircraft concerned or its occupants.

4.3 Exit from an aircraft.

A person shall not exit from an aircraft to make a parachute descent unless authorised to do so by:

- (a) the pilot in command; or
- (b) a person nominated by a pilot in command for that purpose.

4.4 Minimum parachute activation altitude.

A person making a parachute descent shall activate the main parachute at a height not less than 2,000 feet AGL, except for:

- (c) a student parachutist, who shall activate the main parachute at not less than 3,000 feet AGL; or

- (d) a tandem jump master carrying out a tandem parachute descent, who shall activate the main parachute at not less than 5,000 feet AGL.

4.5 Parachute drop zone (PDZ).

All parachute descents, except emergency and display parachute descents shall be made within a parachute drop zone designated by the parachute organization and approved by the Authority. The parachute organisation must hold a valid authorisation from relevant authorities for use of such land as a parachute drop zone

4.6 Parachute landing area.

- (a) a person making a parachute descent shall land on a parachute landing area designated by the parachute organisation and approved by the authority.
- (b) Simultaneous parachute and aircraft movements may be conducted at aerodromes if the parachute landing area is located clear of:
 - (i) any movement area in use;
 - (ii) the strip area of any runway in use;
 - (iii) a taxiway which is in use; and
 - (iv) the approach and take-off areas of any runway or heliport in use.
- (c) a person shall not make a parachute descent into water unless;
 - (i) arrangements have been made to retrieve all parachutists. the parachute landing area has a clearly defined perimeter; and
 - (ii) adequate

4.7 Ground signal.

A person shall not make a parachute descent unless a ground signal, consisting of a white circle with an attached cone pointing into the wind is displayed or a sensitive and conspicuous calibrated windssock shall be used.

4.8 Controlled airspace.

A person shall not make a parachute descent in a controlled airspace unless he:

- (a) obtains an air traffic control clearance; and
- (b) descends in accordance with that clearance.

4.9 Descents onto manned aerodromes.

A person shall not make a parachute descent onto an aerodrome unless he:

- (a) has prior approval from the owner or operator of the aerodrome;
- (b) obtains clearance from the air traffic control unit at the aerodrome; and
- (c) lands within the parachute landing area.

4.10 Descents onto unmanned aerodromes.

A person shall not make a parachute descent onto an unmanned aerodrome unless he:

- (a) has prior approval from the owner or operator of the aerodrome;
- (b) observes other aerodrome traffic operating within the parachute descent zone for the purpose of avoiding collision;
- (c) conforms with or avoids the pattern of traffic formed by other aircraft operating within the parachute descent zone at the aerodrome; and
- (d) lands within the parachute landing area.

4.11 Descents within restricted areas.

A person shall not make a parachute descent within a restricted area unless he has prior approval of the controlling authority specified for that area.

4.12 Visibility and clearance from cloud.

- (a) except as provided in sub-paragraph (b) a person shall not make a parachute descent unless he remains clear of cloud;
- (b) a person shall not make a parachute descend through cloud in a controlled airspace unless he has obtained an air traffic control clearance to do so.

4.13 Descents from higher altitudes.

- (a) a person shall not make a parachute descent from an un-pressurized aircraft unless:
 - (i) when between altitudes of 10,000 and 13,000 feet for longer than 30 minutes, use supplementary oxygen until immediately prior to exiting the aircraft; and
 - (ii) when between altitudes of 13,000 and 20,000 feet, use supplementary oxygen until immediately prior to exiting the aircraft.
- (b) a person shall not make a parachute descent from a pressurised aircraft when between altitudes of 13,000 and 20,000 feet unless he uses supplementary oxygen during the period from immediately prior to depressurisation to immediately prior to exiting the aircraft;
- (c) a person shall not make a parachute descent from altitudes above 13,000 feet unless he has satisfactorily completed a training course for high altitude descents;
- (d) a person shall not make a parachute descent from altitudes above 20,000 feet unless he uses supplementary oxygen from immediately prior to depressurisation, or from immediately after disconnection from any aircraft mounted supplementary oxygen system, until descent below an altitude of 13,000 feet.

4.14 Parachute operations over or into a congested area or an open-air assembly of persons.

A person shall not conduct a parachute operation, and no pilot in command of an aircraft shall allow a parachute operation to be conducted from that aircraft, over or into a congested area of a city, town, or settlement, or an open-air assembly of persons unless an authorization for that parachute operation has been issued by the Authority.

5.0 PARACHUTE EQUIPMENTS AND FACILITIES

5.1 Parachutes.

- (a) a person or tandem pair shall not make a parachute descent unless equipped with a main parachute that complies with the technical standards order of the parachute manufacturer;
- (b) a person or tandem pair shall not make a parachute descent unless equipped with a reserve parachute assembly which;
 - (i) complies with the technical standards of a parachute organization; and
 - (ii) has been inspected, re-packed and certified as airworthy within the previous six months by a parachute rigger in accordance with the technical standards of a parachute organization.
- (c) a tandem rider shall not make a parachute descent unless he wears a harness which;
 - (i) complies with the technical standards of a parachute organization; and

(ii) is properly secured to a marching tandem master harness.

5.2 Altimeter:

A person or tandem pair shall not make a free-fall descent of more than 10 seconds unless:

- (a) he is equipped with, and use, a serviceable altimeter of a type suitable for parachuting; and
- (b) prior to take-off, zero the altimeter to the parachute landing area height.

5.3 Automatic activation devices.

A person or tandem pair shall not make a parachute descent unless equipped with an automatic activation device on the reserve parachute that has been:

- (a) certified as compatible with the reserve parachute assembly on the parachute assembly packing-record by a parachute rigger;
- (b) calibrated in accordance with the manufacturer's operating instructions;
- (c) set to operate the reserve parachute at a minimum height above the parachute landing area (PLA):
 - (i) for an individual parachute descent, 1,000 feet AGL or such lower altitude as predetermined and set within the automatic activation device by the manufacturer of such device for the category of use; and
 - (ii) for a tandem parachute descent, 2,000 feet AGL or such lower altitude as predetermined and set within the automatic activation device by the manufacturer of such device for use on tandem descents;
- (d) inspected by the parachute rigger in accordance with the manufacturer's instructions; and
- (e) Check-calibrated within the previous six months.

5.4 Safety equipment:

- (a) a person shall not make a parachute descent into water unless he wears suitable floatation equipment capable of supporting that person's head clear of the water;
- (b) a student parachutist shall not make a parachute descent within 1 nautical mile of a water hazard unless he wears suitable floatation equipment capable of supporting that person's head clear of the water;
- (c) a student parachutist shall not make a parachute descent unless he wears a serviceable, rigid, protective helmet of a type approved by the parachute organization;
- (d) a tandem pair shall not make a parachute descent unless equipped with protective head gear approved by the parachute organization.

6.0 PARACHUTE MAINTENANCE.

6.1 Facilities and equipment requirements.

A holder of a Parachute Rigger Authorisation shall not exercise the privileges of his authorisation unless that authorisation holder has the following facilities and equipment available:

- (a) a smooth top;
- (b) suitable housing that is adequately lighted and ventilated for drying and airing parachutes;
- (c) enough packing tools and other equipment to pack and maintain the types of parachutes serviced; and
- (d) adequate housing facilities to perform applicable duties and to protect tools and equipment.

6.2 Airworthiness and safety directives.

A person shall not make a parachute descent unless the parachute assembly complies with:

- (a) any applicable safety directive issued by the Authority;
- (b) any applicable safety directive issued by the parachute organization; and
- (c) all mandatory modifications or instructions issued by the manufacturer.

6.3 Parachute serviceability:

- (a) each person who finds a parachute assembly to be unserviceable or not airworthy shall have the assembly:
 - (i) re-inspected and returned to a serviceable and airworthy condition; or
 - (ii) withdrawn from service.
- (b) a person shall not return to service a parachute assembly that has been marked as unserviceable until it has been re-inspected and returned to serviceable and airworthy condition before use.

6.5 Modification and repair.

A person shall not use a parachute, or harness and container system that has been modified or repaired, in a manner that may affect the airworthiness of the parachute assembly, unless it is re-inspected and re-assessed by a parachute rigger in accordance with the technical standards order of the manufacturer.

6.6 Parachute assembly check:

- (a) except as provided by provisions of paragraphs (2) and (3), no person shall make a parachute descent unless he has checked the state of serviceability of the parachute assembly by:
 - (i) reference to the assembly packing record for the parachute assembly;
 - (ii) a comprehensive external check;
 - (iii) checking that all the equipment is properly set to operate;
 - (iv) ensuring that no item being carried will interfere with the proper functioning of the parachute assembly; and
 - (v) ensuring that the seal is not broken or interfered with.
- (b) for student parachutists, the person authorised by the parachute organization to directly supervise the descent of the student shall inspect the equipment being worn by the student in accordance with paragraph (1);
- (c) for tandem riders, the tandem master shall inspect the equipment being worn by the tandem passenger in accordance with paragraph (1).

6.7 Seal:

- (a) an authorised parachute rigger shall have a seal with an identifying mark and a seal press prescribed by the Authority;
- (b) after packing a parachute, the parachute rigger shall seal the pack with a seal referred to sub-paragraph (a) in accordance with the manufacturer's recommendation for that type of parachute.

6.8 Parachute records:

- (a) each owner of an emergency or reserve parachute assembly, a student-parachutist parachute assembly or a tandem parachute assembly, shall maintain a permanent record of which shall remain with the assembly at all times, in:
 - (i) a logbook; or
 - (ii) a separable log page, approved by the parachute organization.
- (b) the owner referred to in sub-paragraph (a) shall make the record available for inspection when required by a person authorized by the Authority

- 6.9 Access for inspection.
A parachute operations certificate holder shall for the purpose of inspection to determine compliance with the requirements:
- (a) grant the Authority unrestricted access to any of its organisations, facilities and aircraft; and
 - (b) ensure that the Authority is granted unrestricted access to any organisation or facilities that it has contracted for services associated with parachute operations and maintenance.

7.0 AUTHORISATION FEES.

- 7.1 Parachute Personnel authorisation.
For the issue and renewal of an authorisation: USD 20.00 or equivalent
- 7.2 Parachute operating certificate (POC).
Operators base inspection following application for renewal or issue of a parachute operating certificate: USD 100.00 Operators issue or renewal of an authorisation: USD 300.00.

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- (b) demonstrate the ability to read, speak, write and understand the English language;
- (c) language;
- (d) demonstrate a level of knowledge appropriate to the privileges granted to a holder of a Parachute Jumping Authorisation; and
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- (c) jumpmaster; or
- (d) tandem master.

2.1.3 Skill requirements:

An applicant for:

- (a) a jumper authorisation shall have logged not less than 25 jumps and have demonstrated to the Authority his competency in the following areas:
 - i) parachute packing;
 - ii) obtaining meteorological information;
 - iii) spotting the drop location from the aircraft;
 - iv) hand signal communication techniques and procedures; and
 - v) pre-flight briefing and "dirt diving".
- (b) a jump master authorisation shall have:
 - i) successfully completed a jump master's course;
 - ii) made 500 freefall jumps; and
 - iii) satisfactorily completed a post course of jump mastering ten students under supervision of an authorised instructor.
- (c) a tandem master authorisation shall be an experienced jumper master, trained in tandem operation and is in control of the passenger and tandem parachute equipment.

2.2. General requirements.

2.2.1 Conditions of authorisation:

- (a) a holder of a parachute jumping authorisation shall maintain a parachuting logbook of jumps;
- (b) parachute jumping shall be made only at locations approved by the Authority;
- (c) prior to each descent, the jumper or event organiser shall obtain permission from the Air Traffic Control Unit responsible for the area of the operation;
- (d) In locations with no Air Traffic Control Unit, the jumper or event organiser shall obtain permission from the Area Control Centre responsible for the area of the operation.

2.2.2 Descent requirements:

- (a) a parachute jumper shall make or attempt to make a parachute descent unless wearing two airworthy parachutes from exit to activation;
- (b) all primary and reserve parachutes shall be inspected and packed by an authorised parachute rigger not more than four months preceding each jump;
- (c) the main parachute may be packed by either the jumper or the parachute rigger;
- (d) the minimum altitude from which descents are to be made shall be such that the main canopy is duly opened at an altitude of not less than two thousand feet above ground level.

2.2.3 Aircraft used for parachute jumping:

Parachute descents shall be made only from the aircraft that have been authorised by the Authority.

2.2.4 Pilot experience and training requirements:

- (a) a pilot for the aircraft to be used for parachute jumping shall;
 - (i) be qualified and have a minimum of 200 hours of pilot-in-command time; and
 - (ii) demonstrate competence to the Authority by performing at least one drop of parachute jumpers.
- (b) the demonstration referred to in sub-paragraph (ii) must be conducted under supervision of an experienced parachuting pilot who is present in the aircraft during the check flight to ascertain the competence in the dropping operation.

2.2.5 Validity and renewal requirements:

- (a) a parachute jump master authorisation shall be valid for a period of twelve months from the date of issue or renewal;
- (b) a holder of a parachute jump master authorisation may apply for renewal of the authorisation if the holder has jump mastered 10 static line students and 5 free fall students within the six months preceding the date of application for renewal.

2.2.6 Visiting foreign parachuting jumpers:

- (a) a person who holds a parachute jumping authorisation issued by another Contracting State and who wishes to engage in parachute jumping in the United Republic of Tanzania may apply to the Authority for recognition and acceptance of his qualification;
- (b) where the Authority recognizes an authorisation tendered under paragraph (1), the holder shall be exempted from paragraphs 2.1 and 2.2 and sub-paragraph 2.3.1 of this AIC;
- (c) a holder of an authorisation under this regulation shall not be engaged in instructing students in parachute jumping or tandem operations.

2.3 Parachute Rigger

2.3.1 Authorisation requirements:

An applicant for a parachute rigger authorisation shall:

- (a) be at least eighteen years of age;
- (b) be able to read, speak, write, and understand the English language; and
- (c) comply with the requirements that apply to the authorisation that person seeks.

2.3.2 Issue of Parachute Rigger Authorization.

Where the Authority is satisfied that an applicant for a parachute rigger authorization under paragraph 2.3.1 meets the requirements for issue of such authorization, the Authority may issue the authorization.

2.3.3 Restrictions and limitations of Parachute Rigger Authorization:

- (a) a person shall not pack, maintain or alter any personnel-carrying parachute intended for emergency use in connection with an aircraft registered in Tanzania unless that person holds an appropriate authorisation on the type;
- (b) except as allowed by sub-paragraph (c), a person shall not pack, maintain or alter any main parachute of a dual parachute pack to be used for intentional jumping from a civil aircraft registered in the United Republic of Tanzania unless that person has an appropriate authorisation issued by the Authority;
- (c) a person who does not hold a parachute rigger authorisation may pack the main parachute of a dual parachute pack that is to be used by him for intentional jumping.

2.3.4 Experience, knowledge and skill requirements.

Except as provided in paragraph 2.3.6, an applicant for a parachute rigger authorisation shall:

- (a) present evidence satisfactory to the Authority of having packed at least twenty parachutes of each type for which the applicant seeks authorisation in accordance with the manufacturer's instructions and under the supervision of an authorised parachute rigger holding an authorisation for that type or a person holding an appropriate military rating; and
- (b) provide the Authority with evidence of having passed a knowledge and practical test, to the satisfaction of the Authority by demonstrating the ability to pack and maintain one type of parachute for which he seeks authorization.

2.3.5 Authorisation requirements for current or former military parachute rigger:

Notwithstanding paragraph 2.3.1, the Authority may issue to an applicant for a parachute rigger authorisation if he passes a knowledge test on the rules pertaining to parachute and parachute rigging and presents satisfactory documentary evidence that the applicant:

- (a) is an employee or former employee of Tanzania Military and within the twelve months preceding the date of application for an authorisation has performed as a parachute rigger; and
- (b) has the experience required by paragraph 2.3.4

2.3.6 Performance standards:

A holder of a parachute rigger authorisation shall not:

- (a) pack, maintain or alter any parachute unless he is authorised for that type;
- (b) pack a parachute that is not safe for emergency use;
- (c) pack a parachute that has not been thoroughly dried and aired;
- (d) alter a parachute in a manner that is not specifically authorised by the Authority or the manufacturer;
- (e) pack, maintain or alter a parachute in any manner that deviates from procedures approved by the Authority or the manufacturer of the parachute; or
- (f) exercise the privileges of the authorisation unless he understands the current manufacturer's instructions for the operation involved and has performed duties

under the authorisation for at least ninety days within the preceding twelve months or shown to the Authority the ability to perform those duties.

2.3.7 Records to be kept by Parachute Rigger.:

- (a) a holder of parachute rigger authorisation shall keep a record of the packing, maintenance and alteration of parachutes performed or supervised;
- (b) an authorised parachute rigger who packs a parachute shall enter on the parachute packing record attached to the parachute, the date and place of the packing, a notation of any defects found during any inspection, and shall sign that record with name and authorisation number;
- (c) the record required by sub-paragraph (a) shall contain, with respect to each parachute worked on, a statement of:
 - i) type and make;
 - ii) serial number;
 - iii) the name and address of the owner or user of the parachute;
 - iv) the kind and extent of the work performed;
 - v) the date when, and the place where the work was performed; and
 - vi) the results of any drop tests made with it.
- (d) a person who makes a record under sub-paragraph (a) shall keep that record for at least two years after the date the record is made.

2.3.8 Privileges.

A holder of a parachute rigger authorisation may:

- (a) pack, maintain or alter any type of parachute for which he is authorised; and,
- (b) supervise other persons in packing, maintaining or altering any type of parachute for which the holder of authorisation is authorised.

2.3.9 Validity and renewal requirements:

- (a) A parachute rigger authorisation shall be valid for a period of twenty four months from the date of issue or renewal.
- (b) A holder of a parachute rigger authorisation may apply for renewal of the authorisation if the holder has packed at least thirty six reserves parachutes within the 12 months preceding the date of application for renewal.

3.0 PARACHUTE OPERATIONS CERTIFICATE.

3.1 General.

3.1.1 Certificate requirements:

- (a) a person shall not conduct parachute operations unless that person:
 - (i) holds a parachute operations certificate;
 - (ii) complies with the privileges and limitations of the parachute operations certificate referred to in paragraph (a);
 - (iii) complies with operational standards and procedures contained in the parachute Operations Manual approved by the Authority; and
 - (iv) complies with the currency requirements determined by the Authority.
- (b) a person shall not conduct parachute operations unless there is available for use a parachute Operations Manual approved by the Authority;
- (c) in this Part, "person" includes an association, organisation or club.

3.1.2 Application for parachute operations certificate:

- (a) an applicant for a parachute operations certificate shall complete and submit an application form prescribed by the Authority which shall include the following information:

- (i) the radius of the drop zone around the target expressed in nautical miles.
 - (ii) the location of the centre of the drop zone in relation to the nearest airport, town or city;
 - (iii) each altitude above mean sea level at which the aircraft will be operated when parachutists or objects exist the aircraft;
 - (iv) the name, address, and telephone number of the person who requests the parachute operations certificate or gives notice of the parachute operation;
 - (v) the name of the air traffic control facility with jurisdiction of the airspace at the first intended exit altitude to be used for the parachute operation.
- (b) The Authority may issue a parachute operations certificate if an applicant meets the requirements of this AIC.

3.1.3 Amendment of a parachute operations certificate:

- (a) an authorisation may be amended:
 - (i) on the Authority's own initiative, under applicable laws and regulations; or
 - (ii) upon application by the holder of that parachute operations certificate.
- (b) a holder of a parachute operations certificate shall submit an application to amend a parachute operations certificate by completing a form prescribed by the Authority;
- (c) an applicant for an amendment under this AIC shall file the application to amend a parachute operations certificate before the date of the proposed commencement of that operation;
- (d) the Authority shall grant a request to amend a parachute operations certificate if it determines that it is in interest of flight safety or in public interest.

3.1.4 Validity of a parachute operations certificate:

- (a) a parachute operations certificate shall be valid for a period specified in the parachute operations certificate from the date of issue but in any case not more than twelve months, unless:
 - i) a shorter period is specified by the Authority;
 - ii) the Authority amends, suspends, revokes or otherwise terminates the parachute operations certificate;
 - iii) the parachute operations certificate holder surrenders it to the Authority; or
 - iv) the parachute operations certificate holder suspends operations
- (b) The holder of a parachute operations certificate that is suspended or revoked shall return it to the Authority.

3.1.5 Parachute operations manual:

- (a) a parachute operations certificate holder shall issue to the parachute members and persons assigned parachute operational functions, an Operations Manual which shall contain at least the following:
 - i) introduction and common abbreviations;
 - ii) safety requirements;
 - iii) student training;
 - iv) free falls styles and accuracy of landing;
 - v) skills programme;
 - vi) formation parachuting;
 - vii) artistic events;
 - viii) canopy formation;
 - ix) camera persons;
 - x) tandem operations;

- xi) extra ordinary activities;
 - xii) wing suits;
 - xiii) jump master certification course;
 - xiv) rigging rules;
 - xv) drop zone and landing area operating procedures;
 - xvi) rules for new jumpers; and
 - xvii) miscellaneous forms.
- (b) the operations manual referred to in sub-paragraph (a) shall be amended or revised as is necessary to ensure that the information contained therein is kept up to date, and all such amendments or revisions shall be issued to all personnel that are required to use the operations manual;
 - (c) a parachute operations certificate holder shall submit to the Authority a copy of the parachute operations certificate holder's entire Operations Manual for the time being in force or of such parts thereof as the Authority may specify;
 - (d) a parachute operations certificate holder shall make such amendments or additions to the operations manual as the Authority may require for the purpose of ensuring the safety of parachute jumpers and parachute passengers carried, efficiency or regularity of air navigation.

3.1.6 Designation of a safety and training personnel:

A parachute operations certificate holder shall, designate for each drop zone operation, in writing, a safety and training personnel who shall be in-charge of all operations with the following minimum qualifications:

- (a) a qualified experienced jump master with a minimum of 1000 free fall jumps and at least 2 years experience in parachute operations; and
- (b) must have successfully completed a training in safety and parachute operating procedures recognized by the Authority.

4.0 OPERATING RULES.

4.1 Use of drugs or alcohol.

A person shall not conduct parachute operation, and no pilot in command of an aircraft may allow a person to conduct a parachute operation from that aircraft, if that person is or appears to be under the influence of:

- (a) alcohol, or
- (b) any drug that affects that person's faculties in any way contrary to safety.

4.2 Hazard.

A person shall not make a parachute descent if such descent constitutes, or is likely to constitute, a safety hazard to air traffic, persons or property in the air or on the ground, the aircraft concerned or its occupants.

4.3 Exit from an aircraft.

A person shall not exit from an aircraft to make a parachute descent unless authorised to do so by:

- (a) the pilot in command; or
- (b) a person nominated by a pilot in command for that purpose.

4.4 Minimum parachute activation altitude.

A person making a parachute descent shall activate the main parachute at a height not less than 2,000 feet AGL, except for:

- (c) a student parachutist, who shall activate the main parachute at not less than 3,000 feet AGL; or

- (d) a tandem jump master carrying out a tandem parachute descent, who shall activate the main parachute at not less than 5,000 feet AGL.

4.5 Parachute drop zone (PDZ).

All parachute descents, except emergency and display parachute descents shall be made within a parachute drop zone designated by the parachute organization and approved by the Authority. The parachute organisation must hold a valid authorisation from relevant authorities for use of such land as a parachute drop zone

4.6 Parachute landing area.

- (a) a person making a parachute descent shall land on a parachute landing area designated by the parachute organisation and approved by the authority.
- (b) Simultaneous parachute and aircraft movements may be conducted at aerodromes if the parachute landing area is located clear of:
 - (i) any movement area in use;
 - (ii) the strip area of any runway in use;
 - (iii) a taxiway which is in use; and
 - (iv) the approach and take-off areas of any runway or heliport in use.
- (c) a person shall not make a parachute descent into water unless;
 - (i) arrangements have been made to retrieve all parachutists. the parachute landing area has a clearly defined perimeter; and
 - (ii) adequate

4.7 Ground signal.

A person shall not make a parachute descent unless a ground signal, consisting of a white circle with an attached cone pointing into the wind is displayed or a sensitive and conspicuous calibrated windssock shall be used.

4.8 Controlled airspace.

A person shall not make a parachute descent in a controlled airspace unless he:

- (a) obtains an air traffic control clearance; and
- (b) descends in accordance with that clearance.

4.9 Descents onto manned aerodromes.

A person shall not make a parachute descent onto an aerodrome unless he:

- (a) has prior approval from the owner or operator of the aerodrome;
- (b) obtains clearance from the air traffic control unit at the aerodrome; and
- (c) lands within the parachute landing area.

4.10 Descents onto unmanned aerodromes.

A person shall not make a parachute descent onto an unmanned aerodrome unless he:

- (a) has prior approval from the owner or operator of the aerodrome;
- (b) observes other aerodrome traffic operating within the parachute descent zone for the purpose of avoiding collision;
- (c) conforms with or avoids the pattern of traffic formed by other aircraft operating within the parachute descent zone at the aerodrome; and
- (d) lands within the parachute landing area.

4.11 Descents within restricted areas.

A person shall not make a parachute descent within a restricted area unless he has prior approval of the controlling authority specified for that area.

4.12 Visibility and clearance from cloud.

- (a) except as provided in sub-paragraph (b) a person shall not make a parachute descent unless he remains clear of cloud;
- (b) a person shall not make a parachute descend through cloud in a controlled airspace unless he has obtained an air traffic control clearance to do so.

4.13 Descents from higher altitudes.

- (a) a person shall not make a parachute descent from an un-pressurized aircraft unless:
 - (i) when between altitudes of 10,000 and 13,000 feet for longer than 30 minutes, use supplementary oxygen until immediately prior to exiting the aircraft; and
 - (ii) when between altitudes of 13,000 and 20,000 feet, use supplementary oxygen until immediately prior to exiting the aircraft.
- (b) a person shall not make a parachute descent from a pressurised aircraft when between altitudes of 13,000 and 20,000 feet unless he uses supplementary oxygen during the period from immediately prior to depressurisation to immediately prior to exiting the aircraft;
- (c) a person shall not make a parachute descent from altitudes above 13,000 feet unless he has satisfactorily completed a training course for high altitude descents;
- (d) a person shall not make a parachute descent from altitudes above 20,000 feet unless he uses supplementary oxygen from immediately prior to depressurisation, or from immediately after disconnection from any aircraft mounted supplementary oxygen system, until descent below an altitude of 13,000 feet.

4.14 Parachute operations over or into a congested area or an open-air assembly of persons.

A person shall not conduct a parachute operation, and no pilot in command of an aircraft shall allow a parachute operation to be conducted from that aircraft, over or into a congested area of a city, town, or settlement, or an open-air assembly of persons unless an authorization for that parachute operation has been issued by the Authority.

5.0 PARACHUTE EQUIPMENTS AND FACILITIES

5.1 Parachutes.

- (a) a person or tandem pair shall not make a parachute descent unless equipped with a main parachute that complies with the technical standards order of the parachute manufacturer;
- (b) a person or tandem pair shall not make a parachute descent unless equipped with a reserve parachute assembly which;
 - (i) complies with the technical standards of a parachute organization; and
 - (ii) has been inspected, re-packed and certified as airworthy within the previous six months by a parachute rigger in accordance with the technical standards of a parachute organization.
- (c) a tandem rider shall not make a parachute descent unless he wears a harness which;
 - (i) complies with the technical standards of a parachute organization; and

(ii) is properly secured to a marching tandem master harness.

5.2 Altimeter:

A person or tandem pair shall not make a free-fall descent of more than 10 seconds unless:

- (a) he is equipped with, and use, a serviceable altimeter of a type suitable for parachuting; and
- (b) prior to take-off, zero the altimeter to the parachute landing area height.

5.3 Automatic activation devices.

A person or tandem pair shall not make a parachute descent unless equipped with an automatic activation device on the reserve parachute that has been:

- (a) certified as compatible with the reserve parachute assembly on the parachute assembly packing-record by a parachute rigger;
- (b) calibrated in accordance with the manufacturer's operating instructions;
- (c) set to operate the reserve parachute at a minimum height above the parachute landing area (PLA):
 - (i) for an individual parachute descent, 1,000 feet AGL or such lower altitude as predetermined and set within the automatic activation device by the manufacturer of such device for the category of use; and
 - (ii) for a tandem parachute descent, 2,000 feet AGL or such lower altitude as predetermined and set within the automatic activation device by the manufacturer of such device for use on tandem descents;
- (d) inspected by the parachute rigger in accordance with the manufacturer's instructions; and
- (e) Check-calibrated within the previous six months.

5.4 Safety equipment:

- (a) a person shall not make a parachute descent into water unless he wears suitable floatation equipment capable of supporting that person's head clear of the water;
- (b) a student parachutist shall not make a parachute descent within 1 nautical mile of a water hazard unless he wears suitable floatation equipment capable of supporting that person's head clear of the water;
- (c) a student parachutist shall not make a parachute descent unless he wears a serviceable, rigid, protective helmet of a type approved by the parachute organization;
- (d) a tandem pair shall not make a parachute descent unless equipped with protective head gear approved by the parachute organization.

6.0 PARACHUTE MAINTENANCE.

6.1 Facilities and equipment requirements.

A holder of a Parachute Rigger Authorisation shall not exercise the privileges of his authorisation unless that authorisation holder has the following facilities and equipment available:

- (a) a smooth top;
- (b) suitable housing that is adequately lighted and ventilated for drying and airing parachutes;
- (c) enough packing tools and other equipment to pack and maintain the types of parachutes serviced; and
- (d) adequate housing facilities to perform applicable duties and to protect tools and equipment.

6.2 Airworthiness and safety directives.

A person shall not make a parachute descent unless the parachute assembly complies with:

- (a) any applicable safety directive issued by the Authority;
- (b) any applicable safety directive issued by the parachute organization; and
- (c) all mandatory modifications or instructions issued by the manufacturer.

6.3 Parachute serviceability:

- (a) each person who finds a parachute assembly to be unserviceable or not airworthy shall have the assembly:
 - (i) re-inspected and returned to a serviceable and airworthy condition; or
 - (ii) withdrawn from service.
- (b) a person shall not return to service a parachute assembly that has been marked as unserviceable until it has been re-inspected and returned to serviceable and airworthy condition before use.

6.5 Modification and repair.

A person shall not use a parachute, or harness and container system that has been modified or repaired, in a manner that may affect the airworthiness of the parachute assembly, unless it is re-inspected and re-assessed by a parachute rigger in accordance with the technical standards order of the manufacturer.

6.6 Parachute assembly check:

- (a) except as provided by provisions of paragraphs (2) and (3), no person shall make a parachute descent unless he has checked the state of serviceability of the parachute assembly by:
 - (i) reference to the assembly packing record for the parachute assembly;
 - (ii) a comprehensive external check;
 - (iii) checking that all the equipment is properly set to operate;
 - (iv) ensuring that no item being carried will interfere with the proper functioning of the parachute assembly; and
 - (v) ensuring that the seal is not broken or interfered with.
- (b) for student parachutists, the person authorised by the parachute organization to directly supervise the descent of the student shall inspect the equipment being worn by the student in accordance with paragraph (1);
- (c) for tandem riders, the tandem master shall inspect the equipment being worn by the tandem passenger in accordance with paragraph (1).

6.7 Seal:

- (a) an authorised parachute rigger shall have a seal with an identifying mark and a seal press prescribed by the Authority;
- (b) after packing a parachute, the parachute rigger shall seal the pack with a seal referred to sub-paragraph (a) in accordance with the manufacturer's recommendation for that type of parachute.

6.8 Parachute records:

- (a) each owner of an emergency or reserve parachute assembly, a student-parachutist parachute assembly or a tandem parachute assembly, shall maintain a permanent record of which shall remain with the assembly at all times, in:
 - (i) a logbook; or
 - (ii) a separable log page, approved by the parachute organization.
- (b) the owner referred to in sub-paragraph (a) shall make the record available for inspection when required by a person authorized by the Authority

6.9 Access for inspection.

A parachute operations certificate holder shall for the purpose of inspection to determine compliance with the requirements:

- (a) grant the Authority unrestricted access to any of its organisations, facilities and aircraft; and
- (b) ensure that the Authority is granted unrestricted access to any organisation or facilities that it has contracted for services associated with parachute operations and maintenance.

7.0 AUTHORISATION FEES.

7.1 Parachute Personnel authorisation.

For the issue and renewal of an authorisation: USD 20.00 or equivalent

7.2 Parachute operating certificate (POC).

Operators base inspection following application for renewal or issue of a parachute operating certificate: USD 100.00 Operators issue or renewal of an authorisation: USD 300.00.

.....END.....