APPENDIX R62.28
RECREATIONAL PILOT LICENCE –
THEORETICAL SUBJECTS FOR RELEVANT RATINGS – HANG GLIDING

A. Novice rating:

1) General Knowledge
2) Basic air law
3) Basic meteorology
4) Flight and control
5) Glider design and equipment
6) Airflow
7) Airmanship

B. Class A rating:

1) Meteorology
2) Airflow
3) Glider design and Hang Glider Structure
4) Flying skills and airmanship
5) General Knowledge and Air Law
6) Aerodynamics
7) Aeromedical
8) Navigation and Airspace

C. Class B rating:

1) Meteorology and micro-meteorology
2) Equipment and flying skills
3) Hang Glider Structure and Aerodynamics
4) Airmanship
5) Aero medical
6) Airspace and air law
7) Navigation and Airspace

D. Class C rating:

1) General and South Africa legal aspects
2) Air law
3) Navigation and Airspace
4) Flying skills
5) Medical aspects of flying
6) Meteorology (Including advanced micro meteorology)
7) Aero dynamics
8) Glider design
9) Aeromedical

E. Assistant Instructors Rating:

1) No theory exam required.

F. Instructors Rating:

Grade B

1) Teaching aids and learning skills
2) Condition, locations and equipment for training
3) Progression stages in hang gliding
4) Legal aspects and record keeping
5) HG club, observer management structures
6) General first aid including psychological aspects for learning

G. Powered hang gliding endorsement:

1) Principals of flight relating to powered hang gliding
2) Introduction to the power unit and related equipment
3) Fuel and engine management of the specific unit
4) Maintenance and repair of the specific unit
5) Starting procedures of the specific unit
6) Air law relating to powered hang gliding.
7) General Safety and airmanship relating to powered hang gliding

H. Tandem rating:

1) Tandem flying equipment Knowledge including:
    a) Harness selections
    b) Hang strap considerations
    c) Parachutes
    d) Gliders
    e) Safety wheels
    f) Launch dollies
2) Meteorological conditions related to tandem flying.
3) Launching and landing site selection criteria.
4) Passenger comfort and safety including:
    a) Hang positions – high low, left right.
    b) Hand grip positions.
    c) Turning control frame space.
    d) Stress recognition.
    e) Panic procedures.
    f) Passenger weight selection criteria.
5) Pre launch briefing and practical procedures.
6) General tandem towing procedures.

I. Winch tow endorsement:

Pilot must undergo a verbal theory test describing:

a) Communication signals used between tow driver, launch marshal and pilot
b) Accurate description of general towing procedures
c) Accurate description of most likely emergencies and their remedies.

J. Hang gliding aero tow endorsement:

1) All signals used for Aero Towing of hang gliders.
2) Role of weak links and strengths.
3) Hang gliding aero tow-tug plane characteristics.
4) Hang glider aero tow selection criteria.
5) Tow line attachment techniques and releases.
6) Launching techniques for aero towing hang gliders.
7) Emergency scenarios and remedies.
8) Tow line lengths.
9) Terrain selection criteria for aero towing.

K. Hill launch endorsement:

There is no theoretical examination for the hill launch endorsement for hang gliding.

L Powered hang gliding endorsement:

1) Principals of flight relating to powered hang gliding
2) Introduction to the power unit and related equipment
3) Fuel and engine management of the specific unit
4) Maintenance and repair of the specific unit
5) Starting procedures of the specific unit
6) Air law relating to powered hang gliding.
7) General Safety and airmanship relating to powered hang gliding