



## SAC MICROLIGHT HIGH PERFORMANCE TYPE RATING

### ASSESSMENT SHEET

Pilot Name: ..... Aircraft Type: .....

This assessment may be oral or written. The Instructor will determine which.  
If certain items do not apply for the particular aircraft type denote these as **N/A**

GROUND			
Where are the aircraft documents located e.g. Flight Permit, Flight Manual, Required Placards			
When does this aircraft's Annual Condition Inspection expire			
Gross weight of aircraft Kg		Empty weight of aircraft Kg	
Capacity of luggage locker in Kg		Capacity of fuel tank(s) Ltr	
Location of fuel tank drain(s)			
Location of fuel filter drain(s)			
Location of fuel tank breather(s)			
Useable fuel Ltr		Fuel grade and octane rating	
Fuel consumption at cruise		Oil Capacity max. and min.	
Fuel consumption training		Oil grade and type	
Location of pitot head			
Location of static port			
Maximum permissible engine RPM		Horsepower rating of engine	
Idle RPM		Max allowable mag drop	
RPM for run-up checks		Cruise RPM @ 3000ft	
Aircraft Max. permissible $V_{NE}$		Maximum flap speed $V_{FE}$	
Max manoeuvring speed $V_A$		Max Rough Air speed $V_{RA}$	
Best Rate of Climb speed		Normal climb speed	
Best glide speed		Normal approach speed	
Maximum crosswind speed		Short field approach speed	
Stall speed no flaps (MAUW)		Stall speed full flaps (MAUW)	
Should Carburettor Heat be applied before the throttle is closed		Should Carburettor Heat be applied on Take-off	
How many circuit breakers/fuses are there		Can the circuit breakers be reset in flight	
Location of aircraft battery			
Location of first aid kit			
With full fuel tank(s), oil, and two 75kg persons is the aircraft within Centre of Gravity and weight limits		What are the Centre of Gravity limits, Forward and Aft	

<b>Electric Aircraft Section</b>			
Where is the A/C fast charge port?		Min reserve charge pwr %	
Before connecting the charger the master switch should be ?		How often should you perform a keep alive charge?	
Full power should be more than...kW		How many batteries in A/C	
Continuous climb power is.....kW		What is the battery weight	
Level flight power is....kW		What fire extinguisher is used	
Descent power is.....kW		Action in event of fire	
Idle Power is ....kW			
<b>Additional - Electric propulsion exam completed - Pass required for rating</b>			

<b>FLIGHT</b>			
Preflight Inspection		Aircraft Ground Handling	
Cockpit Checks		Engine & Throttle Handling	
Climb-Out & Approach Angle		Circuits and Overshoots	
Sudden Engine Failure on Take-Off		Minimum Height Loss Stall	
Wing Drop Stall & Recovery		Forced Landing without Power	
Landings - Normal/Precision		Landings - Without Power	
Short Take-off and Landing		Use of Flap/Sideslipping	
Traffic Awareness & Lookout		Overall Airmanship	
<b>Tailwheel aircraft</b>			
Ground handling		Taxiing in crosswinds	
Torque Effects on Take-off		Crosswind Landings	
<b>Seaplanes/Amphibians</b>			
Water handling		Taxiing in crosswinds	
Torque Effects on Take-off		Crosswind Landings	
Assessment of tide & water state		Sailing	
Water emergencies		Overall Seamanship	

**Notes:**

The candidate has been examined against the criteria for this aircraft type and has been:

**SUCCESSFUL      UNSUCCESSFUL** (strike out one)

Signed: \_\_\_\_\_ SAC ATO/Instructor # \_\_\_\_\_  
Date: \_\_\_\_\_

Type Rating Statement entered in pilot logbook and signed:      **YES   NO**

**ATO / INSTRUCTOR**  
Copy to SAC Headquarters for Pilot's Personal File.

<p><b>SAC Administration only</b> Entered on pilot's personal file:</p>	<p>Signed: _____ Date: _____</p>
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