



Private Bag 12003 Windhoek Namibia | (Tel) +264 61 702 212 | Web: <http://www.dca.com.na>

FLIGHT PERFORMANCE RECORD FOR HOT AIR BALLOONS FOR VALIDATING CERTIFICATE OF AIRWORTHINESS

Notes: *Please delete if not applicable or lick the appropriate box (i) The application must be submitted to the Director of Civil Aviation (ii) Where the required information cannot be furnished in the space provided, the information must be submitted as a separate memorandum and attached hereto.									
AIRCRAFT REGISTRATION REMARKS				V5	-				
SATISFACTORY		UNSATISFACTORY		NOT APPLICABLE					
DETAILS OF AIRCRAFT MAINTENANCE ORGANIZATION (AMO)									
Name									
AMO contact number									
FOR ATTENTION OF NCAA INSPECTOR									
1.	GENERAL								
1.1	Date of test			1.5	Balloon designation				
1.2	Location			1.6	Balloon capacity				
1.3	Pressure height:		Feet	1.7	Recorded hours since new				
1.4	Ground level temperature			°C					
2	FLIGHT TEST								
2.1	PLEASE NOTE:								
	(a) Flight must be conducted in stable air with a cloud base of over 1,500 ft AGL. (b) Balloon to be loaded to the maximum take-off mass as indicated by load chart. (c) Inflation to be loaded preheating is to be carried out using an external tank. (d) Altimeter to be set to 1013.20 mbs. (e) Take-off should be smooth with a climb rate of at least 300 ft/min to level out at 1,000 ft AGL on 1013.20 mbs (f) Only one fuel tank is to be used during the flight test and the flight level is to be maintained constant during this period.								
2.2	CLIMB TEST RECORD								
	TIME [minutes / seconds]	ALTITUDE [feet]		OUTSIDE AIR TEMPERATURE [°C]		ENVELOPE TEMPERATURE [°C]			
	At start								
	After 0.30								
	After 1.00								
	After 1.30								
	After 2.00								
	After 2.30								

	After 3.00			
2.3	FUEL CONSUMPTION TEST <i>(Please record the following):</i>			
a	All up mass at lift-off		kg	
b	All up mass at end of first fuel tank		kg	
c	Mass of first fuel tank		kg	
d	Time to consume first fuel tank		min	
e	OAT at en of first fuel tank		°C	
f	Calculated fuel consumption		Kg/min	
3	FUNCTION			
	Is the following equipment functioning normally and correctly: <i>(Please mark the appropriate block)</i>			
a	Burner	Yes	No	
b	Altimeter	Yes	No	
c	Variometer /VSI	Yes	No	
d	Envelope temperature probe	Yes	No	
e	OAT gauge	Yes	No	
f	Parachute deflation system	Yes	No	
g	Velcro rip	Yes	No	
h	Turn vent (if applicable)	Yes	No	
i	Fuel contents gauging system	Yes	No	
4	CERTIFICATION			
	I the undersigned	<i>(full name in capitals)</i>		
	Hereby certify that the above-mentioned balloon has been flown and I consider the balloon to be satisfactory			
SIGNATURE OF TEST PILOT		NAME IN BLOCK LETTERS		DATE
LICENCE AND CATEGORY				