

FORM B13 AIRCRAFT TYPE RATING – TECHNICAL KNOWLEDGE

Name: Date:/...../..... Aircraft type: Registration:
ZK-.....

Certificate Type: Certificate Number: Expiry Date:
...../...../.....

| | | |
|---|--|--|
| <u>LOCATION OF:</u> | | |
| 1) Documents | | |
| 2) First Aid Kit | | |
| 3) Axe | | |
| 4) Fire Extinguisher | | |
| 5) ELBA and Remote Switch if fitted. | | |
| 6) Fuses and spares | | |
| 7) Circuit Breakers | | |
| <u>METHOD OF OPERATION:</u> | | |
| 8) Fire Extinguisher | | |
| 9) Circuit Breakers | | |
| 10) Control Lock | | |
| 11) Flaps | | |
| 12) Flap Settings | | |
| <u>WEIGHT:</u> | | |
| 13) Aircraft Empty Weight | | |
| 14) MAUW | | |
| 15) AUW Aerobatics | | |
| 16) Capacity of Luggage Lockers | | |
| <u>FUEL:</u> | | |
| 18) Location of Tanks | | |
| 19) Capacity of Tanks | | |
| 20) Unusable | | |
| 21) Consumption | | |
| 22) Octane Rating | | |
| 23) Alternative Octane - Emergency Only | | |
| <u>OIL:</u> | | |
| 24) Minimum Oil Level | | |
| 25) Maximum Oil Level | | |
| 26) Grade | | |
| 27) Wet Sump/Dry Sump | | |
| 28) Pressure: Minimum, Normal, Maximum | | |

| | | |
|---|--|--|
| 29) Temperature: Minimum, Normal, Maximum | | |
|---|--|--|

Continued next page....

FORM B 13 AIRCRAFT TYPE RATING – TECHNICAL KNOWLEDGE

Page 2 of 3

01/07/14

ENGINE:

31) Type

32) Horsepower

33) Max. Permissible RPM

34) Max. Continuous

35) Normal Idle

36) Static RPM: Minimum, Maximum

37) Run up: Max. Drop, Max. Difference

38) Cylinder Head Temp: Min, Normal, Max

SPEED

39) Vne: Definition, Knots

40) Vno: Definition, Knots

41) Va: Definition, Knots

42) Vfe: Definition, Knots

NORMAL TAKEOFF

43) Flap Setting

44) Rotate Speed

MAXIMUM PERFORMANCE TAKEOFF

45) Flap Setting

46) Rotate Speed

47) Initial Climb-out Speed

NORMAL CLIMB:

48) RPM

49) Airspeed

50) Airspeed (Best Angle)

51) Airspeed (Best Rate)

CRUISE:

52) RPM

53) TAS

SPEEDS

54) Normal Approach Speed

55) Precision Approach: Min Speed (1.3 Vso)

56) Stall speed, Vs

| | | |
|---|--|--|
| 57) Stall Speed, Vo (landing Configuration) | | |
| 58) Best Glide Speed | | |
| 59) Max. Demonstrated Crosswind Speed | | |

| | |
|---|----------|
| FORM B 13 AIRCRAFT TYPE RATING – TECHNICAL KNOWLEDGE | 01/07/14 |
|---|----------|

| | | |
|--|--|--|
| 60) Maximum Loading: Flaps Up (+ and -) | | |
| 61) Maximum Loading: Flaps Down (+ and -) | | |
| 62) When is Smoking Permitted | | |
| 63) Are Aerobatic Manoeuvres Permitted? | | |
| 64) If so, under what conditions? | | |
| 65) Are there any unusual features of this Type? | | |
| 66) Weight & Balance Problems Completed | | |
| 67) Takeoff & Landing Charts Completed | | |

AIRCRAFT SYSTEMS: Write a brief description of each system as applicable to the aircraft type noting salient features including layout and management, locations and purpose of various components, precautions to be used when operating, safety devices, functional checks, emergency operations, fault finding and remedial actions to be taken in flight. If necessary use additional paper.

| | | |
|---|--|--|
| Vacuum System: | | |
| Pneumatic System: | | |
| Pitot-Static System | | |
| Electrical System: | | |
| Auto Pilot: | | |
| Heating and/or Air Conditioning System: | | |

Signature: (.....Cat.) Instructor Licence Number: Date: .../...../.....