



DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
SUBDEPARTAMENTO “LICENCIAS”

**“BRISTELL CC-ARE”**

NOMBRE : \_\_\_\_\_ FIRMA: \_\_\_\_\_

FECHA : \_\_\_\_\_

**A.- Operating Limitations**

**1.- Speeds**

|                 | CIAS  |
|-----------------|-------|
| Va              | 96    |
| Vne             | 157   |
| Vno             | 129   |
| Vfe             | 75    |
| Vs              | 43    |
| Vso             | 33    |
| Vx              | 55    |
| Vy              | 65    |
| Vr              | 40    |
| Vapp (Flap 30°) | 60-65 |
| Vglide          | 65    |
| Max. Cross Wind | 15    |
| Max. headwind   | 40    |

**2.- Fuel and Oil**

|                         |                |
|-------------------------|----------------|
| Fuel Type               | 95 oct/100 LL  |
| Max Fuel Volume         | 120 lt         |
| Unusable fuel quantity  | 1.0 lt         |
| Max and min oil volumne | 3.6lt- 3.2lt   |
| Oil consumption         | Max 0.06 lt/hr |

**3.- Weight and Balance**

|                     |            |
|---------------------|------------|
| Max Take off weigth | 600 kg     |
| CG Range % MAC      | 25% - 35%  |
| Max wing locker     | 20 kg each |
| Max rear baggage    | 15 kg      |

**4.- Engine**

|                    |               |
|--------------------|---------------|
| Max HP             | 98.6          |
| Max RPM            | 5800/max 5min |
| Max continuous RPM | 5500          |
| Max oil T°         | 130           |
| Min oil T°         | 50            |
| Max oil pressure   | 102           |
| Min oil pressure   | 12            |

## **B.- Emergency Procedures for immediate action**

### **A.- Engine failure during Take off run**

- |                     |       |
|---------------------|-------|
| 1.- THROTTLE        | IDLE  |
| 2.- IGNITION SWITCH | OFF   |
| 3.- BRAKES          | APPLY |

### **B. - Engine failure during take off**

- |                          |                            |
|--------------------------|----------------------------|
| 1.- SPEED                | 65 KTS                     |
| 2.- ALTITUD BELOW 150 ft | LAND IN TAKE OFF DIRECTION |
| OVER 150 ft              | CHOOSE LANDING AREA        |
| 3.- WIND                 | CHECK                      |
| 4.- LANDING AREA         | CHOOSE                     |
| 5.- FLAPS                | AS REQUIRED                |
| 6.- FUEL SELECTOR        | SHUT OFF                   |
| 7.- IGNITION SWITCH      | OFF                        |
| 8.- MASTER SWITCH        | OFF                        |

### **C.- In flight engine starting**

- |                   |                      |
|-------------------|----------------------|
| 1.- FUEL PUMP     | ON                   |
| 2.- FUEL SELECTOR | SWITCH TO OTHER TANK |
| 3.- STARTER       | ON                   |

Considerer to set carburator Heat to On position

D. - Fire on ground at engine starting

- |                     |            |
|---------------------|------------|
| 1.- STARTER         | KEEP ON    |
| 2.- FUEL SELECTOR   | SHUT OFF   |
| 3.- THROTTLE        | FULL POWER |
| 4.- IGNITION SWITCH | OFF        |
| 5.- AIRPLANE        | EVACUATE   |
| 6.- FIRE            | EXTINGUISH |

E. - Fire in flight

- |                       |                            |
|-----------------------|----------------------------|
| 1.- HEATING           | CLOSE                      |
| 2.- FUEL SELECTOR     | SHUT OFF                   |
| 3.- THROTTLE          | FULL POWER                 |
| 4.- MASTER SWITCH     | OFF                        |
| 5.- IGNITION          | OFF AFTER ENGINE SHUT DOWN |
| 6.- LANDING AREA      | CHOOSE                     |
| 7.- EMERGENCY LANDING | PERFORM                    |
| 8.- AIRPLANE          | EVACUATE                   |

F. - Fire in the cockpit

- |                      |       |
|----------------------|-------|
| 1.- MASTER SWITCH    | OFF   |
| 2.- HEATING          | CLOSE |
| 3.- FIRE STINGUISHER | USE   |