

DEPARTAMENTO "SEGURIDAD OPERACIONAL"  
"SUBDEPARTAMENTO "LICENCIAS"



## CESSNA CITATION II C550 CC-DGA

### I. OPERATING LIMITS

#### 1.- Limitations (KIAS)

V <sub>B</sub> (Turbulence)	<b>180</b>
V <sub>MO</sub> (above 30.500)	<b>0.705</b>
V <sub>MO</sub> (sea level -	<b>262</b>
V <sub>FE</sub> (up to 15°)	<b>202</b>
V <sub>FE</sub> (Full Down)	<b>176</b>
V <sub>LE</sub>	<b>262</b>
V <sub>SB</sub>	<b>NO LIM</b>
V <sub>TIRE</sub> (Ground Speed)	<b>165</b>
V <sub>MCA</sub>	<b>77</b>
V <sub>MCG</sub>	<b>62</b>
Max Cross Wind	<b>23</b>
Max Tail Wind	<b>10</b>

#### 2.- Fuel (U.S. GAL)

Type to Utilize	<b>JET-A1</b>
Max Usable Fuel Quantity	<b>5.008 lbs.</b>

#### 3.- Weight (LBS)

Maximum LANDING	<b>13.500</b>
MAX ZFW	<b>11.000</b>

#### 4.- Starter Limitations

<b>30</b>	<b>SEC</b>	<b>ON</b>	<b>30</b>	<b>SEC</b>	<b>OFF</b>
<b>30</b>	<b>SEC</b>	<b>ON</b>	<b>30</b>	<b>SEC</b>	<b>OFF</b>
<b>30</b>	<b>SEC</b>	<b>ON</b>	<b>30</b>	<b>MIN</b>	<b>OFF</b>

## II. EMERGENCY/ABNORMAL PROCEDURES

### 1) ENGINE FAIL OR FIRE DURING TAKEOFF

#### a) Speed Below $V_1$ – Takeoff Should Be Aborted

- i. BRAKES **AS REQUIRED**
- ii. THROTTLES **IDLE**
- iii. SPEED BRAKES **EXTEND**
- iv. THRUST REVERSER **DEPLOY (ON UNAFFECTED ENGINE)**

#### b) Speed Above $V_1$ – Takeoff Should Continue

- i. GEAR **UP**  
(AFTER ESTABLISHING A POSITIVE RATE OF CLIMB)
- ii. AT 400 FEET, RETRACT FLAPS AT  **$V_2 + 10$**  AND ACCELERATE TO  **$V_{ENR}$**

### 2) ENGINE FIRE (ENG FIRE SW ILLUMINATED)

- i. THROTTLE (AFFECTED ENGINE) **IDLE**

#### If Light Remains On

- ii. ENGINE FIRE SW **LIFT COVER AND PUSH**
- iii. EITHER ILLUMINATED BOTTLE ARMED LIGHT **PUSH**

### **3) ENG FAIL DURING COUPLED APPROACH**

- i. POWER (OPERATING ENGINE) **INCREASE**
- ii. AUTOPILOT AND YAW DAMPER **OFF**
- iii. AIRSPEED  **$V_{REF} + 10$  KIAS**
- iv. RUDDER TRIM **TRIM (Toward Operating Eng)**
- v. FLAPS **T.O. & APPR**

### **4) EMERGENCY RESTART - TWO ENGINES**

- i. IGNITION **BOTH ON**
- ii. BOOST PUMPS **BOTH ON**
- iii. THROTTLES **IDLE**
- iv. IF ALTITUDE ALLOWS **INCREASE AIRSPEED TO 200 KIAS**

### **5) ELECTRICAL FIRE OR SMOKE**

- i. OXYGEN MASKS **DON AND 100% OXYGEN**
- ii. OXYGEN MICROPHONE SW(S) **AS REQD**

### **6) BATTERY OVERHEAT (BATT O<sup>2</sup>TEMP LT ON)**

- i. AMPERAGE **CHECK**
- ii. BATTERY SW **EMER**
- iii. AMPERAGE **NOTE DECREASE**

**7) RAPID DECOMPRESSION (INDICATED BY CAB ALT 10,000 FEET LIGHT ON)**

- i. OXYGEN MASKS **DON AND 100% OXYGEN**
- ii. EMERGENCY DESCENT **AS REQD**
- iii. PASSENGER OXYGEN **ENSURE PASSENGERS ARE RECEIVING OXYGEN**
- iv. OXYGEN MIC SW(S) **MIC OXY MASK**

**8) EMERGENCY DESCENT**

- i. THROTTLES **IDLE**
- ii. SPEEDBRAKES **EXTEND**
- iii. INITIATE MODERATE BANK
- iv. AIRPLANE PITCH ATTITUDE **15 DEGREES NOSE DOWN**

**9) AUTOPILOT HARDOVER**

- i. AUTOPILOT/TRIM DISENGAGE SW **PRESS**

**10) THRUST REVERSER – INADVERTENT DEPLOYMENT DURING TAKEOFF**

**a) Speed Below  $V_1$  – Takeoff Should Be Aborted**

- i. BRAKES **AS REQD**
- ii. THROTTLES **IDLE**
- iii. SPEEDBRAKES **EXTEND**
- iv. THRUST REVERSERS **BOTH DEPLOY**

**b) Speed Above  $V_1$  – Takeoff Should Continue**

- i. EMERGENCY STOW SW **ACTUATE ON AFFECTED ENGINE**
- ii. AFTER ESTABLISHING A POSITIVE RATE-OF-CLIMB,  
RETRACT LANDING GEAR. DO NOT EXCEED **125 KIAS** UNTIL  
THRUST REVERSER STOWS

**11) THRUST REVERSER – INADVERTENT INFLIGHT DEPLOYMENT**

- i. REVERSER INDICATOR LIGHTS **CHECK ILLUMINATION OF ARM,  
UNLOCK, AND DEPLOY LIGHTS**
- ii. AFFECTED THROTTLE **CHECK IDLE**
- iii. EMERGENCY STOW SW **ACTUATE ON AFFECTED ENGINE**
- iv. AIRSPEED **REDUCE TO 125 KIAS OR BELOW**  
AFTER THRUST REVERSER STOWS, DO NOT EXCEED **200 KIAS**

**12) THRUST REVERSER UNLOCK LIGHT ON IN FLIGHT**

- i. EMERGENCY STOW SW **ACTUATE** (ON AFFECTED ENGINE)
- ii. THRUST REVERSER LEVERS **CHECK STOWED** (FULL FWD)  
**POSITION**

### **13) EMERGENCY EVACUATION**

- i. THROTTLE **BOTH OFF**
- ii. LH/RH ENGINE FIRE SWITCHES **BOTH PRESS**
- iii. LH/RH FIRE BOTTLE ARMED SWITCHES **BOTH PRESS** (IF FIRE SUSPECTED)
- iv. PARKING BRAKE **SET**
- v. ADVISE **ATC**
- vi. BATTERY SWITCH **OFF**
- vii. AIRPLANE OUTSIDE **CHECK FOR BEST ESCAPE ROUTE**

#### **If through cabin door:**

- viii. CABIN DOOR **OPEN**
- ix. MOVE AWAY **FROM AIRPLANE**

#### **If through escape hatch:**

- x. ESCAPE HATCH **REMOVE AND THROW OUT OF AIRPLANE**
- xi. MOVE AWAY **FROM AIRPLANE**