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BEFORE PARK BRAKE IS RELEASED

NOTE

For the first flight of the day COCKPIT CHECK must start from an electrical power off condition.

Before APU is started, safety area must be verified, nav lights must be turned on.

Before engines are started, park brake must be set, safety area must be verified, anticoll red lights must be turned on.

Before park brake is released, following actions must be performed:

- Verifications of cabin and cockpit fire extinguishers and smoke hoods.
- Closure of all doors,
- Verification of Cargo and loose items,
- Verification of cockpit lights, including emergency panel.
- Verification of rain repellent level,
- Verification of hydraulic, and oxygen quantities,
- Verification of circuit breaker status,
- Verification of extinction of all “emergency panel” lights,
- Verification of tire pressure,
- Verification of no smoking and fasten seat belts signs,
- Verification of the accessibility of emergency handles for RAT and gear free fall extension,
- Verification of crew seat adjustment, rudder pedals and fastening of crew seat belts,
- Verification of CCD pilot and copilot, outer position must be checked after verification,
- Test of Fire Control Panel → ,
- Test of hydraulic Backup pump → ,
- Test of RAT → ,
- Test of emergency lights → ,
- Test of windshield heat → ,
- Test of cockpit oxygen masks → ,
- Test of conditioning system → ,
- Test of Anti Ice → ,
- Verification that flight controls move freely up to full deflection of the stick,

NOTE

Flight controls verification must be done without any other verification in progress and one axis after the other.

- Test of Airbrakes → ,

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- Test of NWS angle → ,
- Test of FCS → ,
- Setting of ELT in AUTO position,
- Activation of fasten seat belt sign.

MEL when applicable must be checked for all failures indicated by CAS messages in CAS window or status page, as well as for failures identified by the crew independently of CAS messages.

→ FIRE CONTROL PANEL TEST

This test must be performed before starting the APU or the first engine once status page has been checked.

Initial conditions:

- After LH and RH INIT performed, LH and UP DU available.

Test description:

- 1. Overhead panel: depress FIRE TEST, maintain, and check:
 - white CAS message **FIRE: TEST IN PROGRESS** is displayed.
 - illumination of all fire control panel and the throttles lights
- 2. If amber CAS message **FIRE: TEST FAIL** is displayed: it must be determined which item has failed before entering MEL.

→ HYDRAULIC BACKUP PUMP TEST

This test must be performed before each flight.

Initial conditions:

- 1. Airplane on ground,
- 2. Engine 1 running.

Test description:

- 1. Overhead panel: set BACKUP pump to ON ,
- 2. Check hydraulic # B pressure to 2900 PSI
- 3. If pressure does not increase it must be determined which item has failed before entering MEL,
- 4. Overhead panel: set BACKUP pump to AUTO.

→ RAT TEST

This test must be performed before each flight.

Initial conditions:

- 1. Electrical initialization completed.

Test description:

- 1. Synoptic / test page: select RAT soft key until white CAS message **RAT: TEST IN PROGRESS** is displayed.
- 2. If amber CAS message **RAT: TEST FAIL** is displayed: it must be determined which item has failed before entering MEL.

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→ EMERGENCY LIGHTS TEST

This test must be performed before each flight.

Initial conditions:

- 1. Always available.

Test description:

- 1. Overhead panel: set EMERG LIGHTS on ON position.
- 2. Check correct illumination of the emergency lights in the cockpit and the cabin.

→ WINDSHIELD HEAT TEST

This test must be performed before each flight.

Initial conditions:

- 1. Airplane on ground

Test description:

- 1. Synoptic / test page: select WSHIELD soft key until white CAS message **WSHIELD: TEST IN PROGRESS** is displayed
- 2. If amber CAS message **WSHIELD: TEST FAIL** is displayed: it must be determined which item has failed before entering MEL.

→ COCKPIT OXYGEN MASK TEST

This test must be performed before each flight.

Initial conditions:

- 1. Crew stowage box switch must be ON
- 2. Essential buses must be connected.

Test description:

- 1. Crew stowage box rotary switch on Normal position then press to test
- 2. Yellow blinker is displayed within 4 sec.
- 3. Repeat sequence on EMERG and 100% position
- 4. If Yellow blinker is not displayed: it must be determined which item has failed before entering MEL.

→ CONDITIONING SYSTEM TEST

This test must be performed before the first take-off of the day.

Initial conditions:

- 1. Airplane on ground
- 2. APU running, BLEED auto or
ENG 1 running, N2 > 60% and
ENG 2 running, N2 > 60%.
- 3. Air conditioning mode: NORMAL, or PAX OFF, or CREW OFF.

Test description:

- 1. Synoptic / test page : select COND soft key until white CAS message **COND: TEST IN PROGRESS** is displayed
- 2. After 15sec, when white CAS message **COND: TEST WAITING EMER** is displayed select EMERG mode.

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- 3. After 20sec, when white CAS message **COND: TEST WAITING NORM** is displayed select NORMAL mode.
- 4. If amber CAS message **COND: TEST FAILED** is displayed: it must be determined which item has failed before entering MEL.

➔TEST OF ANTI ICE

This test must be performed before each flight.

Initial conditions:

- 1. TLA at idle.

Test description:

- 1. ANTI-ICE: ENG1, ENG2 and ENG3 pushbuttons set to ON,
- 2. Wait for 20 seconds,
- 3. Check of absence of any **A/I: ENG .. XX PRESS** message in crew alerting system,
- 4. ANTI-ICE: ENG1, ENG2 and ENG3 pushbuttons set to off.

➔AIRBRAKES TEST

This test must be performed before each flight.

Initial conditions:

- 1. Airplane on ground and after verification of flight controls
- 2. Hydraulic pressure established.

Test description:

- 1. Extend airbrakes to AB 1 then AB 2 position then AB 0.
- 2. Check proper operation of airbrakes and absence of CAS message.

➔NWS ANGLE TEST

This check must be performed before each flight.

Initial conditions:

- 1. Check the park brake is set.

Test description:

- 1. Display the CMC Maintenance window (MAINT) in the lower or upper MDU.
- 2. Using the CCD, select "MAINTENANCE" to display the CMC Maintenance menu.
- 3. Select "PARAMETERS MONITORING".
- 4. Scroll down to select "32 LANDING GEAR" then "50 STEERING CONTROL".
- 5. Scroll down to select "_LGSCU_STEERING_NOSEWHEEL_POSITION".
- 6. Check the "NOSE WHEEL ANGLE" values of both LGSCU channels (1 and 2):
Check the difference between both NOSE WHEEL ANGLE values remains below 2°,
Check each individual value remains stable (within +/- 0.2°) during 15 seconds.
- 7. At the end of the test, select another MDU window (e.g. INAV, FMW...) to exit the CMC.

➔FCS TEST

This test must be performed before each flight.

Initial conditions:

- 1. Airplane on ground, THS at rest, slats not extended and after verification of flight controls and test of airbrakes
- 2. Park brake is On,

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- 3. All engines running,
- 4. Sidestick released.

Test description:

- 1. Synoptic / test page: select FCS soft key until white CAS message **FCS: TEST IN PROGRESS** is displayed,
- 2. Test is completed when white CAS message **FCS: TEST IN PROGRESS** goes out,
- 3. If amber CAS message **FCS: TEST FAIL** is displayed: it must be determined which item has failed before entering MEL.

DASSAULT AVIATION Proprietary Data

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