## Attachment 15

To Operations/Human Performance Group Factual Report

# DCA11IA040

Cockpit Preparation - Captain

24 DEC 10

#### **COCKPIT PREPARATION - CAPTAIN**

#### Action:

The Captain must: Confirm correct maintenance documents are on board and reviewed in accordance with the Maintenance/Fueling/Loading chapter of the FOM. Have a thorough understanding of the maintenance status of the airplane and the potential effects any DF or CF items will have on the operation of the airplane. Ensure the crew is briefed as appropriate. This status check may not be delegated. ■ Observers audio entertainment switch......On/off The OBS AUDIO ENT switch should normally be ON. ■ GPWS terrain switch (Airbus configuration)................ Verify on ■ Recorder ground control switch . . . . . . . . . . . . . . On ■ CVR test button . . . . . . . . . . . . . . . . . Push and hold Test by placing the RCDR GND CTL switch to ON (energizes the system). Push and hold the CVR TEST button until the low frequency signal is heard through the loudspeakers. The loudspeakers do not need to be turned on to hear this signal. The PARKING BRAKE handle must be ON. ■ Seat belts switch . . . . . Off ■ No smoking selector.....On ■ Emergency exit light selector . . . . . . . . . . . . . . . . . . Arm ■ Annunciator light selector...... Test Place the ANN LT selector to TEST and visually verify all cockpit annunciator lights illuminate (including the CKPT DOOR CONT lights on the aft overhead panel), and all liquid crystal displays (LCDs) display 8s. **CAUTION:** There are some electrical failures that will fail all cockpit lighting except the right dome light. Depending on time of day and ambient lighting, the dome light may be the best source of cockpit lighting. ■ Wing anti-ice switch . . . . . . Off ■ Engine anti-ice switches..... Off 

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/// UNITED

■ ECAM PRESS page	
■ APU bleed switch	
■ Crossbleed selector Auto	
■ Pack flow selector	
■ Engine generator switches On	
■ Battery charge current	
■ Fuel pump switches On	
■ Fuel mode selector	
<ul> <li>■ Engine 1 and 2 fire test switches</li> <li>Observe the following: <ul> <li>Engine FIRE 1 (2) switch illuminates</li> <li>SQUIB and DISCH lights illuminate</li> <li>MASTER WARN lights flash</li> <li>Continuous repetitive chime (CRC) sounds</li> <li>ECAM ENG FIRE warning activates</li> <li>Engine FIRE light illuminates on the control pedestal</li> </ul> </li> <li>■ APU fire test switch</li> <li>Observe the following indications: <ul> <li>APU FIRE switch illuminates</li> <li>SQUIB and DISCH lights illuminate</li> <li>MASTER WARN lights flash</li> <li>CRC sounds</li> </ul> </li> </ul>	
ECAM <u>APU FIRE</u> warning activates	
■ Audio switching selector	

10.20.13 Normals Predeparture

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	Overhead maintenance panel
•	Observer's audio control panel
	Observer's RMP
	(A320) Aft cargo heat selector Mid range
0	Cargo smoke test button Push and hold for 3 seconds The cargo smoke detectors are tested in sequence. Observe the following:  • Several cargo smoke ECAMs may appear  • SMOKE lights illuminate twice with associated smoke ECAMs  • DISCH lights illuminate
•	Barometric reference Set
•	Flight director button On
	ILS/LS button
	EFIS control panel
	VOR/ADF selectors

## A319/A320

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FCU
<ul> <li>Verify dashes are displayed for a NAV departure and verify the lateral column of FMA indicates NAV is armed or</li> </ul>
<ul> <li>Set heading in accordance with planned SID or planned runway heading to disarm NAV mode and verify the lateral column of FMA is blank.</li> </ul>
<ul><li>HDG-V/S / TRK-FPA button: Select HDG-V/S</li><li>Altitude window: Set initial altitude or expected altitude</li></ul>
Oxygen mask and microphone
■ Loudspeaker On
Audio control panel
■ Press to test and reset slide lever
Regulator emergency/press to test selector Press momentarily Verify the sound of oxygen flow across the mask microphone; observe the flow indicator turns yellow.
■ Press to test and reset slide lever
■ Regulator emergency/press to test selector Press momentarily Verify the flow indicator remains black, indicating no oxygen flow.
<b>Note:</b> The final step should be performed every time the mask is stowed to verify that the mask is properly stowed and no oxygen is flowing.
■ ECAM door page

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10.20.15 Normals Predeparture

Audio control panel
■ Oxygen mask Set
■ N/100% lever
■ Container doors
■ Cockpit sliding window
■ PFD and ND brightness
■ Terrain system switch (United configuration) Verify on
■ PFD
Note: The altimeters should read position elevation plus 10 feet AGL. If an altimeter error is suspected, check the accuracy at a known elevation point on the airport. If the altimeters do not read within a tolerance of 25 feet or if they do not agree with each other within 20 feet, maintenance action is required. (This does not apply to the standby altimeter.)
■ ND
Verify the ND is on the right display and no flags are present.
■ Standby airspeed indicator
Four bugs should remain grouped together at the top of the indicator. If any bugs are missing, a deferral is required.
■ Standby altimeter
Four bugs should remain grouped together at the top of the altimeter. If any bugs are missing, a deferral is required.
■ Standby attitude indicator
■ TERR ON ND (or TERR) switch
■ Antiskid and nose wheel steering switch On

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■ Clock
<b>Note:</b> ACARS/ATSU time is updated by referencing the clock. ACARS does not use external sources for time updates.
See the Flight Instruments, Displays chapter for information on setting the clock.
■ Switching panel selectors
Push the RCL key for more than 3 seconds to recall any warning or caution messages that have been cleared by the CLR key or cancelled by the EMER CANC key. If none, NORMAL appears on the upper ECAM memo.
ECAM status page
<ul> <li>Determine if they affect dispatch and require maintenance action.</li> </ul>
<ul> <li>Verify that any fault messages (Class I) and MAINT (Class II) messages are compatible with the MRD. All other Class I and II messages must be deferred or cleared prior to Dispatch.</li> </ul>
<b>Note:</b> MAINT (Class II) messages are not flight critical; however, they must be cleared/deferred prior to dispatch. The display of MAINT messages is inhibited after engine start.
The RMP should be on and the green NAV light off. Normally, VHF 1 is used for ATC communications and VHF 2 for company, ramp, ATIS, etc. Both pilots should use their respective RMPs to tune frequencies for both radios. VHF 3 is devoted to ACARS/ATSU.
■ Audio control panel
<b>Note:</b> On VHF 1, in the high frequency band (e.g., 135.97), there may be an increase in background noise due to electrical interference on the ground or in flight; use VHF 2 if necessary. A maintenance report is not required.
■ Weather radar Off Verify gain is in AUTO position and the image selector is in WX/TURB.
■ PWS switch Off
Speed brake lever

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10.20.17 Normals Predeparture

	Cockpit door open light
	Gravity gear extension handle Stowed
	Passenger address system
CA	<b>AUTION:</b> The only confirmation that the parking brake is set is an indication of brake pressure on the BRAKES and ACCU PRESS indicator.
	Parking brake handle
	If the parking brake is ON:
	Confirm the parking brake is set.
	If the parking brake is OFF:
	If the parking brake is released due to hot brakes, ensure the PARK BRK handle is ON and confirm the parking brake is set prior to accomplishing the Before Start Checklist.
	Thrust levers

changes applicable to the current flight segment.