

# TAXI & BEFORE T/O



PF

PNF

### 1. TAXI INITIATION

*Before Taxiing:*

NW STRG DISC.....CHECK not displayed on  
right ECAM MEMO

TAXI CLEARANCE.....OBTAIN

ELAPSED TIME .....AS RQRD

BRAKE PRESSURE.....CHECK ZERO  
ANNOUNCE....."PRESSURE ZERO"

FLT CTL.....CHECK

*When Taxi clearance obtained:*

NOSE LIGHT.....TAXI

PARKING BRAKE.....OFF

THRUST LEVERS.....AS RQRD

ANNOUNCE....."BRAKE CHECK"

BRAKE PEDAL.....PRESS

FLT CTL.....CHECK



➤ Observe ECAM MEMO :



**PARKING BRAKE release**

( Slight residual pressure may be indicated for a short period of time )



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## 2. TAXI : CLEARANCE CONFIRMATION

*When ATC clearance obtained:*


ATC CLEARANCE.....CONFIRM 

TERR ON ND.....AS RQRD 

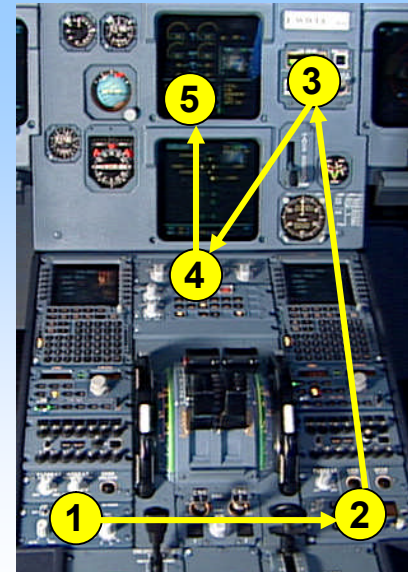
1. RADAR / PWS.....ON / AUTO 

2. ATC.....SET 

3. AUTOBRAKE.....MAX 

4. T/O CONFIG.....PRESS 

5. T/O MEMO.....CHECK NO BLUE



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3. TAXI CHECKS

FCU ALT.....CHECK

*If ATC requests to maintain runway heading or in case of a radar vector procedure :*

HDG.....SET 

FLIGHT INSTRUMENTS.....CHECK

FLIGHT INSTRUMENTS.....CHECK

CABIN REPORT.....RECEIVE (CM1)

T/O BRIEFING.....CONFIRM 

***BEFORE T/O C/L down to the line***

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### 4. BEFORE TAKE OFF

APPROACH PATH CLEAR OF TRAFFIC....CHECK  
 CABIN CREW.....ADVISE

EXTERIOR LIGHTS.....SET  
 SLIDING TABLE.....STOW

If brake fans running:



BRAKE TEMP BELOW 150°C.....CHECK  
 BRAKE FANS.....OFF

TAKE OFF/LINE UP CLEARANCE.....OBTAIN  
 ENGINE MODE SEL.....AS RQRD

TCAS.....TA or TA/RA

PACKS 1 + 2.....AS RQRD

SLIDING TABLE.....STOW



*BEFORE T/O C/L below the line*



**minimize bird strike hazard during takeoff**

THE END...

# FLIGHT CONTROLS CHECK



➤ PF moves the flight controls

➤ PNF announces :

**Both elevators**



**ailerons**



“FULL UP”

“FULL DOWN”

“NEUTRAL”

“FULL LEFT”

“FULL RIGHT”

“NEUTRAL”

**Rudder check**



“FULL LEFT”



“FULL RIGHT”



“NEUTRAL”

➤ PF checks that PNF calls are in accordance with the sidestick orders

➤ PNF applies full sidestick deflections and silently checks full travels and correct sense

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## 2. TAXI : CLEARANCE CONFIRMATION

When ATC clearance obtained:

ATC CLEARANCE.....CONFIRM



**If takeoff data / ATC clearance has changed, (or in case of RWY change)...**

**...update takeoff data and FMGS :**

### TAKEOFF DATA updates



- Gross Weight and CG on FUEL PRED
- F-PLN (runway in use)
- Flaps levers (Take-off position)
- V1,VR,V2 (reinsert)
- FLEX T/O temperature (reinsert)

### FMGS updates



- F-PLN
- Initial climb and speed limit

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## 2. TAXI : CLEARANCE CONFIRMATION

*When ATC clearance obtained:*

If use of radar is required, consider selecting the radar display on the PF side, and TERR ON ND on the PNF side only.

ATC CLEARANCE.....CONFIRM 

TERR ON ND.....AS RQRD 

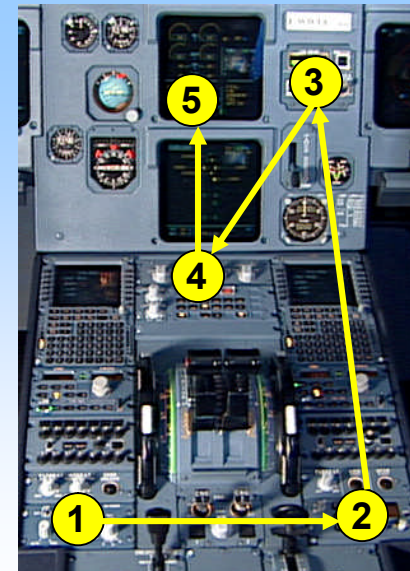
1. RADAR / PWS.....ON / AUTO 

2. ATC.....SET 

3. AUTOBRAKE.....MAX 

4. T/O CONFIG.....PRESS 

5. T/O MEMO.....CHECK NO BLUE



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## 2. TAXI : CLEARANCE CONFIRMATION

*When ATC clearance obtained:*

➤ Switch the Radar ON and the PWS to AUTO as late as possible to avoid hazardous emissions to ground staff

ATC CLEARANCE.....CONFIRM 

TERR ON ND.....AS RQRD 

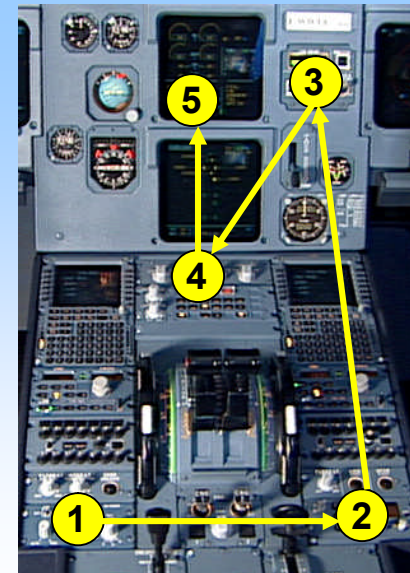
1. RADAR / PWS.....ON / AUTO 

2. ATC.....SET 

3. AUTOBRAKE.....MAX 

4. T/O CONFIG.....PRESS 

5. T/O MEMO.....CHECK NO BLUE



PF

PNF

## 2. TAXI : CLEARANCE CONFIRMATION

*When ATC clearance obtained:*

**Set the appropriate ATC configuration for takeoff:**

- ATC: AUTO
- ALT RPTG: ON
- ATC code set
- TCAS: TA or TA/RA
- Traffic sel: ABV

ATC CLEARANCE.....CONFIRM 

TERR ON ND.....AS RQRD 

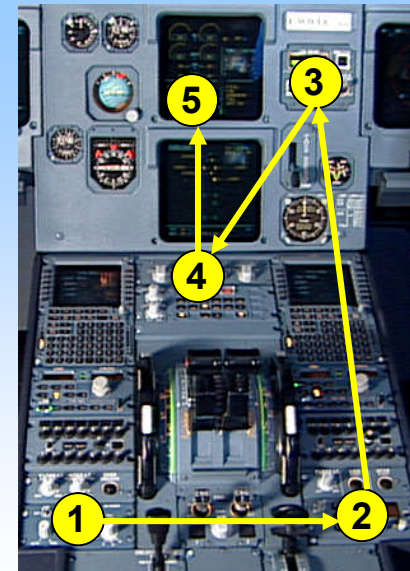
1. RADAR / PWS.....ON / AUTO 

2. ATC.....SET 

3. AUTOBRAKE.....MAX 

4. T/O CONFIG.....PRESS 

5. T/O MEMO.....CHECK NO BLUE



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## 2. TAXI : CLEARANCE CONFIRMATION

When ATC clearance obtained:

ATC CLEARANCE.....CONFIRM 

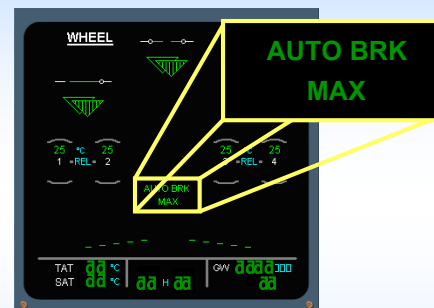
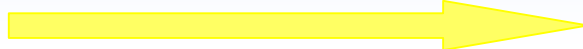
TERR ON ND.....AS RQRD 

1. RADAR / PWS.....ON / AUTO 

2. ATC.....SET 

3. AUTOBRAKE.....MAX 

➤ Autobrake may be armed with PARKING BRK ON.



ECAM WHEEL page


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## 2. TAXI : CLEARANCE CONFIRMATION

When ATC clearance obtained:

➤ Check that ECAM upper display shows  
“T.O CONFIG NORMAL”



T.O AUTO BRK MAX  
SIGNS ON  
CABIN READY  
SPLRS ARM  
FLAPS T.O  
T.O CONFIG NORMAL

ATC CLEARANCE.....CONFIRM 

TERR ON ND.....AS RQRD 

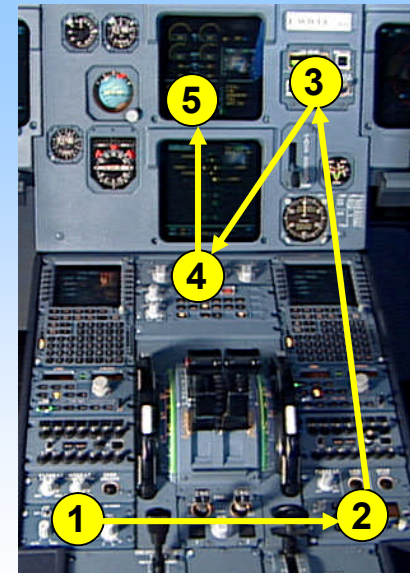
1. RADAR / PWS.....ON / AUTO 

2. ATC.....SET 

3. AUTOBRAKE.....MAX 

4. T/O CONFIG.....PRESS 

5. T/O MEMO.....CHECK NO BLUE



*This disarms NAV mode.*

*Then **RWY TRK** will engage at 30 ft RA and will keep the aircraft on the current TRK.*

### FMA

➤ Usual case :

CLB

NAV

➤ If HDG preset :

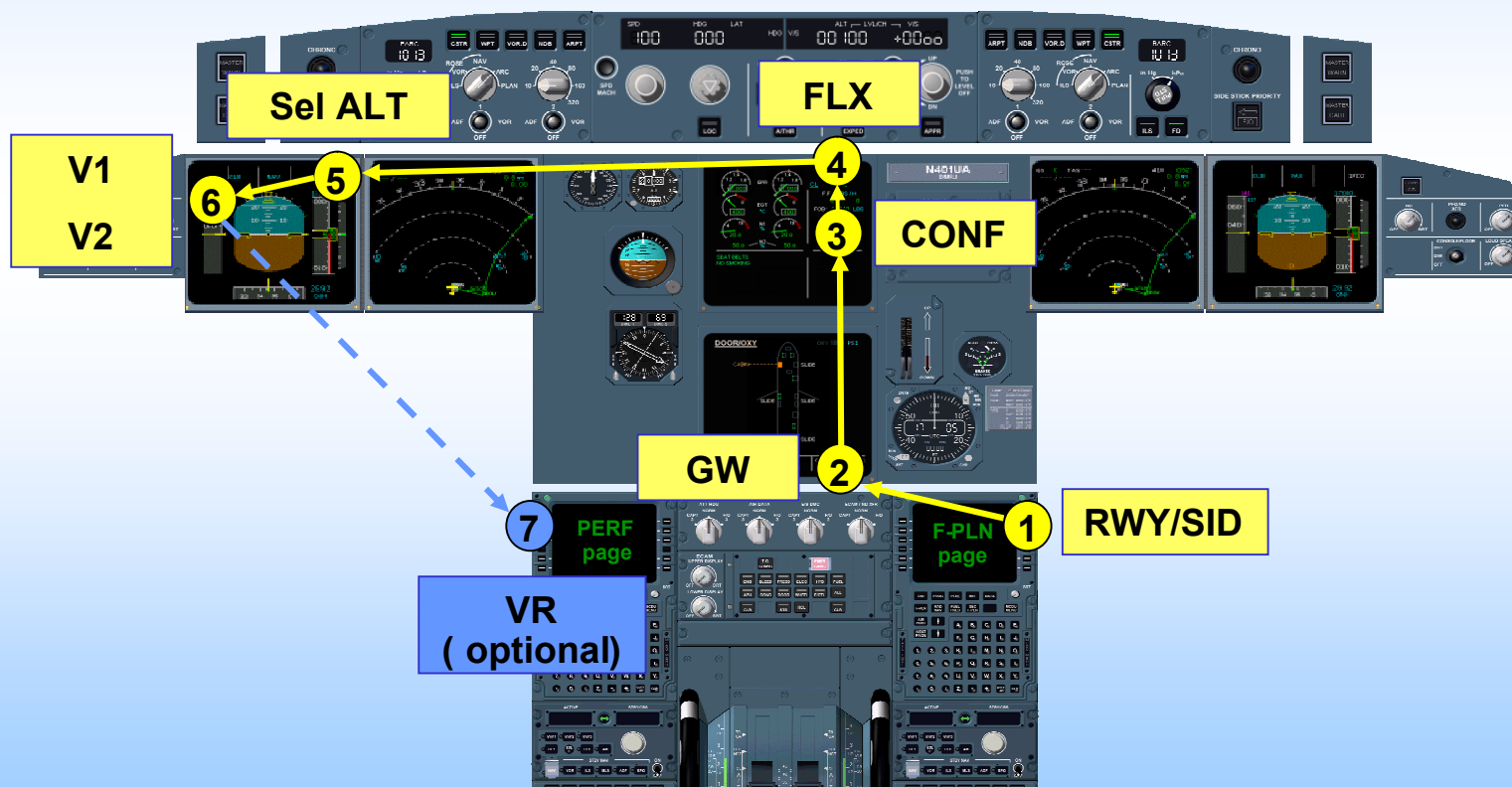
OP CLB

# TO BRIEFING CONFIRMATION



- Address any changes in the clearance
- Make as extensive use as possible of the displays

## TO BRIEFING CONFIRMATION FLOW



## BRAKE TEMPERATURE LIMITATION

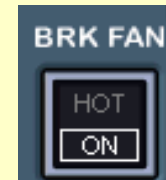
**limitation: 300°C**

auto ignition temperature of the hydraulic fluid

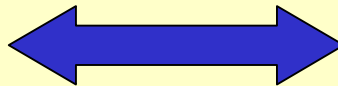
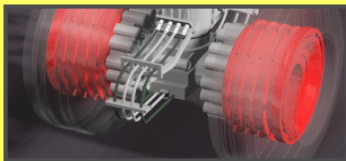
**Without brake fan: Rely on **HOT BRAKE** ECAM caution (triggered at 300°C)**

**With brake fans running:**

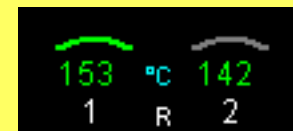
The fans blow on the temperature sensor, and modifies the indication



**Actual Brake temperature :**  
300° C



**Indication on ECAM :** 150° C



The crew cannot rely on the ECAM caution (linked to indicated value).

- Brake temperature must be checked
- **If indicated value is above 150°C: delay takeoff**

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### 4. BEFORE TAKE OFF

If brake fans running: 

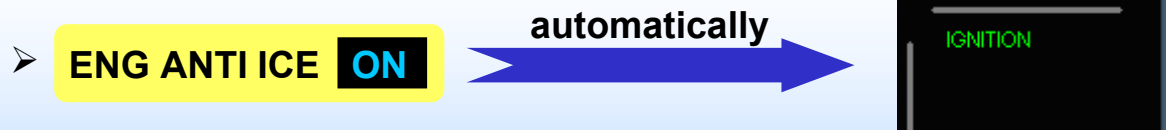
BRAKE TEMP BELOW 150°C.....CHECK  
BRAKE FANS.....OFF

APPROACH PATH CLEAR OF TRAFFIC....CHECK  
CABIN CREW.....ADVISE

TAKE OFF/LINE UP CLEARANCE.....OBTAIN  
ENGINE MODE SEL.....AS RQRD 

➤ Conditions for selecting IGN/START prior to takeoff :

	CFM	IAE
Runway with standing water	X	
Heavy rain or severe turbulences expected after takeoff	X	X



➤ Consider igniter's wear in case of continuous ignition

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#### 4. BEFORE TAKE OFF

APPROACH PATH CLEAR OF TRAFFIC....CHECK  
CABIN CREW.....ADVISE

*If brake fans running:*



BRAKE TEMP BELOW 150°C.....CHECK

BRAKE FANS.....OFF

TAKE OFF/LINE UP CLEARANCE.....OBTAIN

ENGINE MODE SEL.....AS RQRD



TCAS.....TA or TA/RA



- Known nearby traffic, in visual contact
- Significant potential for unwanted or inappropriate resolution advisories



The FAA recommends selecting TA mode

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#### 4. BEFORE TAKE OFF

APPROACH PATH CLEAR OF TRAFFIC....CHECK  
CABIN CREW.....ADVISE  
EXTERIOR LIGHTS.....SET

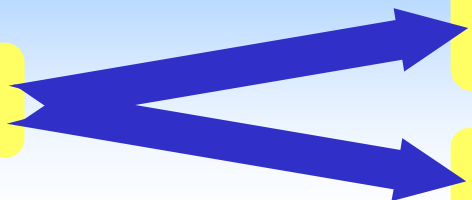
*If brake fans running:*



BRAKE TEMP BELOW 150°C.....CHECK  
BRAKE FANS.....OFF  
TAKE OFF/LINE UP CLEARANCE.....OBTAIN  
ENGINE MODE SEL.....AS RQRD   
TCAS.....TA or TA/RA   
PACKS 1 + 2.....AS RQRD



Consider selecting packs OFF or APU bleed ON



Improved performance (TOGA)

Reduced EGT (FLEX)

➤ Use of APU bleed is not allowed, if wing anti-ice is to be used.