






# UNRELIABLE SPEED INDICATION

- IAS Fluctuations
- Flight parameters abnormal correlation
- Abnormal AP/FD/ATHR behavior
- Undue stall warning or overspeed warning
- When indicated speed  aerodynamic noise 
- When indicated speed  aerodynamic noise 



**Suspect unreliable speed indication**

Probes schematic 

Failure	Pitot	static
Indicated speed / Mach	Wrong	Wrong
ALT	OK	Wrong
V/S	OK	Wrong
FPV	OK	Wrong
AP / FD	Wrong	Wrong

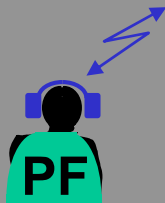
PF

PNF

1. PITOT PROBES BLOCKED

**DETECTION** 

FLIES THE AIRCRAFT A330 / A340-600 :  A340-300 :   
NAVIGATES  
CONSIDER AUTOMATION USE



COMMUNICATES

**ECAM ACTIONS** 

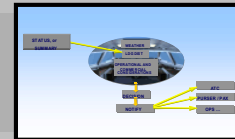
ECAM PROCEDURE

SYSTEM DISPLAY

STATUS

RETURN TO NORMAL TASK SHARING

**DECISION**

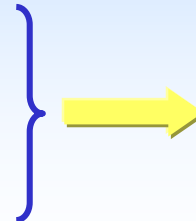


➤ Check IAS indications 



All indications may be consistent  
BUT equally unreliable

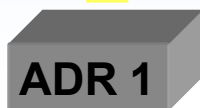
ALT  
VIS  
FPV



Remain correct  
in this case

**FLIGHT IS FROZEN TO PERMIT THE PROCEDURE APPLICATION ON THE M/FTD**

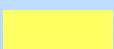

# PROBES SCHEMATIC



CAPT  
probes

STBY  
probes

F/O  
probes

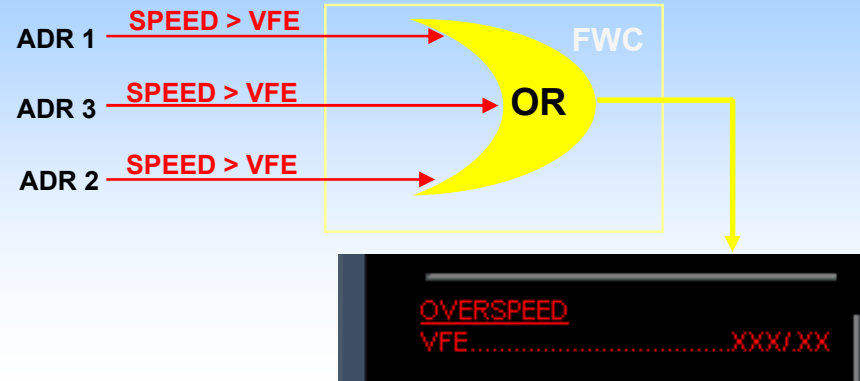
-  Normal display
-  Reconfigurations

PF

PNF

1. PITOT PROBES BLOCKED

**DETECTION** 



At least one ADR speed > VFE or VMO/MMO  **OVERSPEED** warning



## MEMORY ITEMS

THRUST/PITCH.....	}	<i>Below THR RED ALT: TOGA/15°</i>
		<i>Above THR RED ALT: CL/10° Below FL 100</i>
		<i>CL/5° Above FL 100</i>
AP.....		OFF
FD.....		OFF
A/THR.....		OFF
FLAPS.....		MAINTAIN CURRENT CONFIG
SPEEDBRAKES.....		CHECK RETRACTED
L/G.....		UP WHEN AIRBONE



## MEMORY ITEMS

THRUST/PITCH.....	}	<i>Below THR RED ALT: TOGA/12.5°</i>
		<i>Above THR RED ALT: CL/10° Below FL 100</i> <i>CL/5° Above FL 100</i>
AP.....		OFF
FD.....		OFF
A/THR.....		OFF
FLAPS.....		MAINTAIN CURRENT CONFIG
SPEEDBRAKES.....		CHECK RETRACTED
L/G.....		UP WHEN AIRBONE

PF

PNF

1. PITOT PROBES BLOCKED

**DETECTION** 

FLIES THE AIRCRAFT A330 / A340-600 :  A340-300 : 

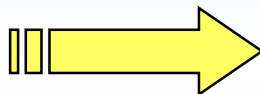
NAVIGATES

CONSIDER AUTOMATION USE



**ECAM ACTIONS** 

Any doubt regarding speed indication



**Revert to pitch / thrust setting references**



*ADR check proc*

&

*Unreliable speed indication*

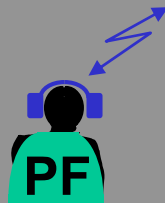
PF

PNF

### 1. PITOT PROBES BLOCKED

## DETECTION

FLIES THE AIRCRAFT A330 / A340-600 :  A340-300 :   
NAVIGATES  
CONSIDER AUTOMATION USE



COMMUNICATES

## ECAM ACTIONS

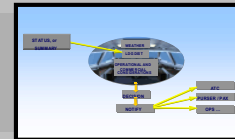
ECAM PROCEDURE

SYSTEM DISPLAY

STATUS

RETURN TO NORMAL TASK SHARING

## DECISION



➤ Check IAS indications 



All indications may be cons  
BUT equally unreliabl

ALT } Available on GPS  
GS }

FLIGHT IS FROZEN TO