



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

October 1, 2014

Attachment 15 – A320 CBS Message

OPERATIONAL FACTORS

DCA14MA081

Date: Thursday, 27 March 2014 17:37 ET
To: USAALLAB.PLT,
USAALL30.PLT
From: HOPE.J
Subject: Changing Takeoff Runway

Changing Takeoff Runway in FMS/FLEX TO without Temp Entered

Prior to takeoff, if the takeoff runway is changed on the F-PLN page, the message "CHECK TAKEOFF DATA" is displayed in the scratchpad. Like all scratchpad messages, this should be carefully read and assessed. This message is a reminder to adjust or confirm the takeoff data on the PERF TAKEOFF page. It is then necessary to select the PERF page to view the takeoff data. The previous data (V1, VR, V2 FLX TO values) appear in small, blue font beside the corresponding fields. If no data change is necessary, simply select CONFIRM TO DATA (6R). This reinserts the data in small, blue font into the corresponding fields. If changes to this data are required, uplink the performance data for the new runway or make necessary corrections manually.

If a valid FLEX TO TEMP is not entered into the Takeoff PERF page in the MCDU, the ECAM will display the caution when the thrust levers are placed in

PF 1=Help 3=Exit 4=Return 7=Query 5=Action 11=Backward 10=Forward EMCC0000

the FLX/MCT detent:

ENG THRUST LEVERS NOT SET
THR LEVERS.....TO/GA

As a reminder, the A319/320/321 Pilot Handbook, 2d.1.2 states, "If a FLEX temperature was not entered in the MCDU, and the thrust levers are positioned in the FLEX detent, a warning will be generated. In this case, move the thrust levers to TOGA detent and execute a max thrust takeoff." If TOGA is not selected, the "RETARD" aural callout is triggered when the airspeed reaches 80 knots. When the thrust levers are moved to the TOGA position, the ECAM message will clear and the aural "RETARD" will cease.

To preclude this situation, ensure barriers to error are in place by following standard operating procedures, and completing flows and checklists carefully to ensure that all necessary takeoff data is entered correctly for the takeoff runway.

If you have any questions, please contact a Lead Check Airman or my office.

Captain John Hope
Director - Airbus Flight Training & Standards

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