



Date:10/17/2024

Time:2:59 PM

FLT OPS / TECH / 80/Oct 17, 2024

To :
A320

Subject : OPEARATIONAL INTERRUPTUONS DUE TO “AIR PACK x REGUL FAULT

On A320, “AIR PACK REGUL FAULT” has been one of main driver for Operational Interruption worldwide including delays, In-Flight Turn Backs, Diversions and flight cancellation due to loss of one pack. It has also been observed that at times these “AIR PACK REGUL FAULT” does not appear on ECAM for crew awareness. Most of the cases were identified during Eng Start.

In recent past, PIAC had similar unique events due to “AIR PACK REGUL FAULT”. With no alert or fault till cruise FL350, “CAB PR: EXCESS CAB ALT” warning was triggered as cabin found climbing. This was due to the fact that cabin was being pressurized in actual with a Single Pack only that too in ‘NORM’ Pack Flow configuration, whereas as loss of the other pack remains spurious to crew. It was revealed from the Post Flight Report that “AIR PACK 2 REGUL FAULT” was observed during Engine Start prior departure, yet no ECAM alert was generated. From the attached snapshots that were taken once aircraft descended to 14,000 FT, it was revealed that Pack 2 Flow Valve was showing almost CLOSED with amber line and once ECAM RCL was pressed, amber “AIR PACK 1 REGUL FAULT” and “AIR PACK 2 REGUL FAULT” were displayed.

As per FCOM ‘Abnormal and Emergency procedures’ of AIR PACK 1(2) REGUL FAULT, this alert is triggered once the Pack main channel has failed or Pack Main and Secondary channels are failed. The pack flow is fixed at previous settings. Owing to the serious impact of such “AIR PACK REGUL FAULT” on flight that could silently lead to loss of the other pack which remains spurious to crew, following is recommended to avoid an event:

AFTER ENG START :

On ECAM:

1. Check for any “AIR PACK REGUL FAULT”
2. If observed, perform a RESET of respective PACK 1(2) P/B SW, once both Engines have



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been started and Bleed/Air-conditioning is stabilized

AT TOC IN CRUISE

On ECAM control panel:

1. Press RCL – Check for any **AIR PACK REGUL FAULT** messages

Open BLEED SD ECAM Page:

1. Check for any 'amber' sign on Pack x Valve and/or
2. Check if Pack valve showing CLOSE or modulating fully towards CLOSE

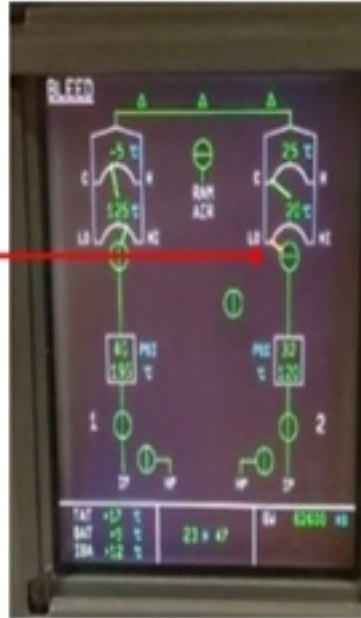
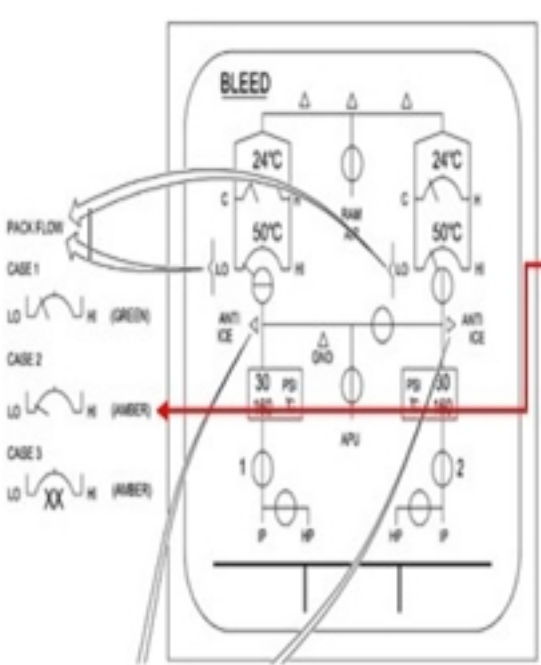
If observed,

1. First set PACK FLOW to HIGH
2. Perform a RESET of affected PACK P/B SW



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TECHNICAL BULLETIN**

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CAPT. VAQAS JAVED
Chief Pilot Technical
FLIGHT OPERATION

CC -----

Dy. Chief Pilot A-320