

FMGS PRE-FLIGHT PROGRAMMING

1. CHECK A/C STATUS, DATABASE & PERF FACTOR (3.03.06 P9)

DATA

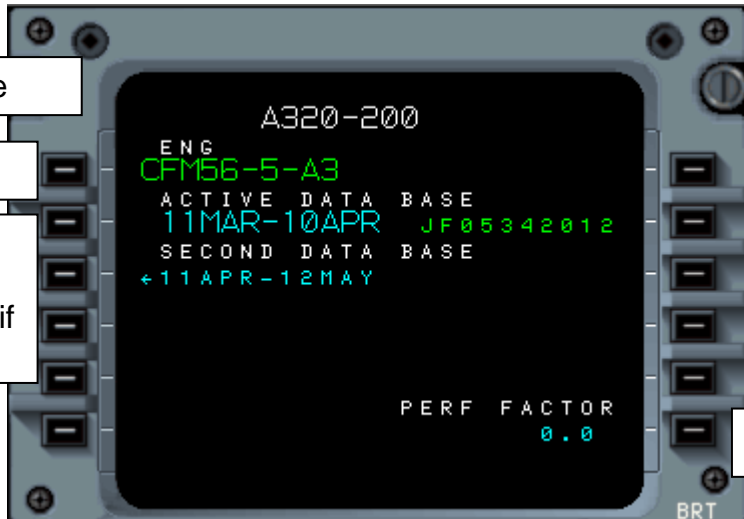


A/C STATUS

1) Check A/C Type

2) Check Engines

3) Check Data Base and activate second Data Base if required



4) Check Perf Factor

2. FLIGHT PLAN INITIALISATION – INIT A (3.03.06 P10)

INIT



1) Enter city pair – e.g. EGKK/EGPF

The image shows the INIT A page on a flight display. The screen displays the following information:

- CO RTE
- ALTN RTE
- FLT NBR: [] [] [] [] [] []
- LAT: 5108.9N
- COST INDEX: [] []
- CRZ FL / TEMP: [] [] / [] [] [] [] °
- FROM / TO: EGKK / EGPF
- ALTN: NONE
- ALIGN IRS →
- LONG: 00011.4W
- WIND >
- TROPO: 36090

Callouts on the left side:

- 3) Enter ATC Callsign
- 5) Check Lat / Long
- 6) Enter Cost Index
- 7) Enter CRZ FL / Temp

Callouts on the right side:

- 2) Enter ALTN
- 4) Align IRS
- 8) Enter CLB Winds

The image shows the INIT A page on a flight display after data entry. The screen displays the following information:

- CO RTE
- ALTN RTE
- FLT NBR: JF15F
- LAT: 5108.9N
- COST INDEX: 25
- CRZ FL / TEMP: FL340 / -53°
- GPS PRIMARY
- FROM / TO: EGKK / EGPF
- ALTN: EGPH
- LONG: 00011.4W
- WIND >
- TROPO: 36090

Showing INIT A page after data entry.

3. SET EFIS CONTROL PANEL / NAV DISPLAY (3.03.06 P10)

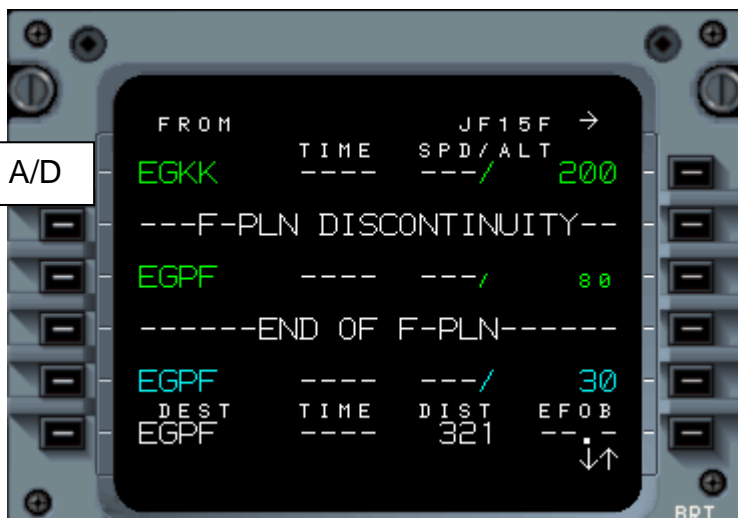
The image shows the EFIS control panel with the following callouts:

- 1) Select constraints (pointing to the CSTR button)
- 2) Set Range 10 / 20 (pointing to the range selector knob)
- 3) Select PLAN Mode (pointing to the PLAN button)
- 4) Set QNH (pointing to the BARO display showing 1013)
- 5) Select F/Ds ON (pointing to the FD button)

4. FLIGHT PLAN INITIALISATION – F-PLN (3.03.06 P11)



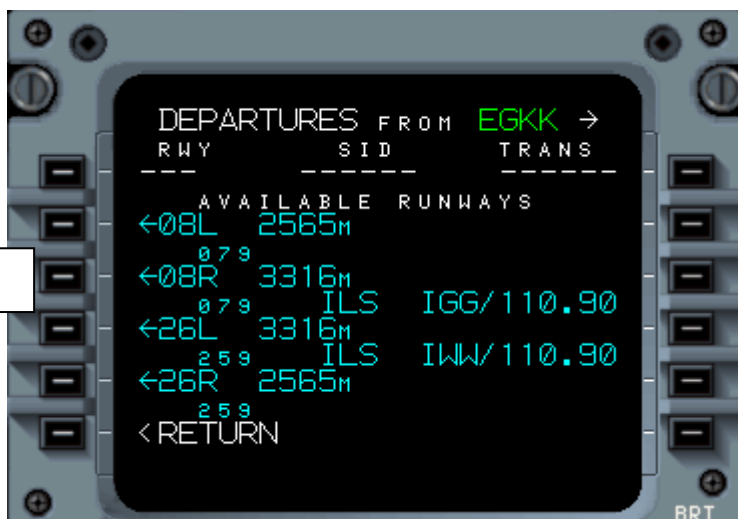
1) LAT REV from Dep A/D



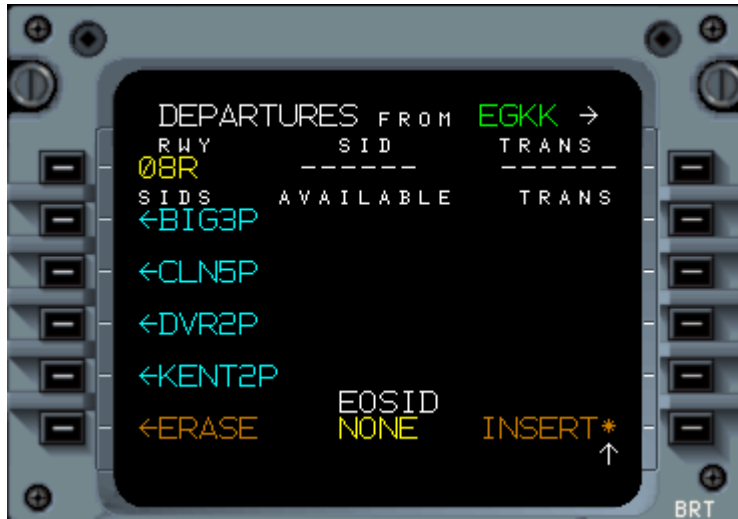
2) Select DEPARTURE



3) Select T/O Runway



Use SCROLL Keys if required



Use SCROLL Keys   to locate SID



4) Select SID

5) Insert into Flt Plan

F-PLN page is presented with revised SID



6) Select Arrival A/D



7) LAT REV Arrival



8) Select Approach

Use SCOLL Keys   if required.



Use SCROLL Keys   to locate required STAR.



9) Select STAR

10) Insert into F-PLN

F-PLN page is presented with revised STAR



Scroll through F-PLN checking that route complies with flight plan (OFFP) and eliminate any DISCONTINUITY.



11) Create LAT REV at LAM



12) Enter AIRWAY/WPT

VIA/GO TO is entered as “Airway/Waypoint” from OFP e.g. A2/POL



13) Insert into F-PLN

Repeats stages 12) & 13) for remainder of F-PLN route

5. MANUALLY SELECT RADIO NAV AIDS – F-PLN (3.03.06 P11)



1) VOR1 Freq or Ident

2) Enter Course if Req'd

5) NDB1 Freq or Ident

3) VOR2 Freq or Ident

4) Enter Course if required

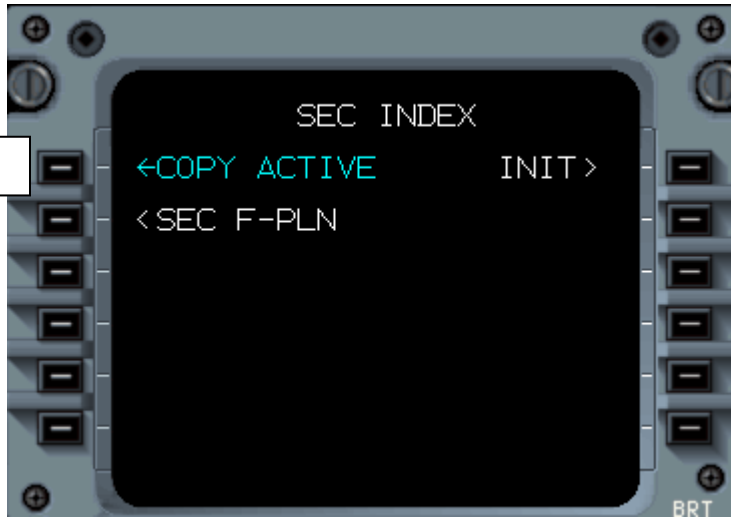
6) NDB 2 Freq or Ident

Manually “hard tune” specific radio aids required for departure.

6. INITIATE SECONDARY F-PLN (3.03.06 P11)



1) Copy ACTIVE F-PLN



Copy the active flight plan into the secondary flight plan

2) LAT REV



Secondary flight plan is displayed in WHITE.
Select a suitable waypoint to program return to departure A/D.

3) Enter departure A/D as New Destination





4) LAT REV at 6L



5) Select ARRIVAL



6) Select Approach

7) RETURN

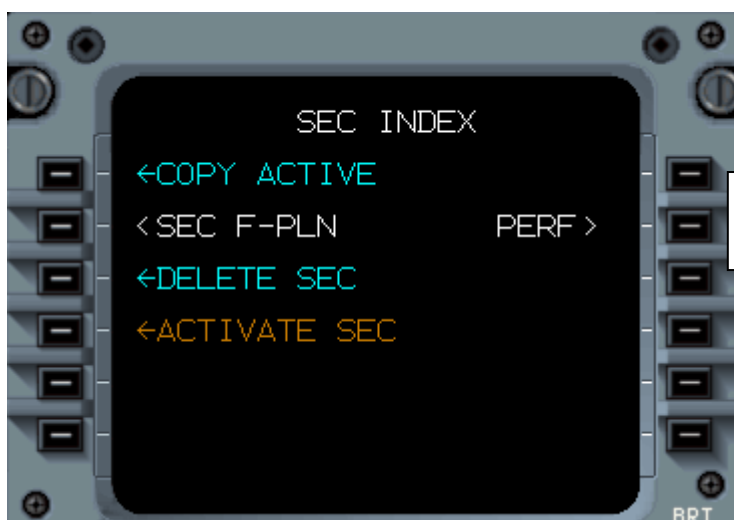
8) RETURN

Press RETURN to return to LAT REV, then again to return to SEC F-PLN.

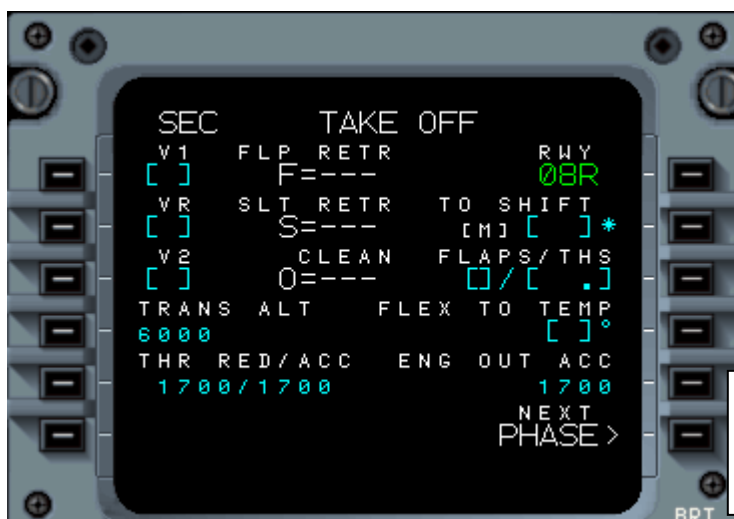


NB: There is no Temporary F-PLN when editing SEC F-PLN.

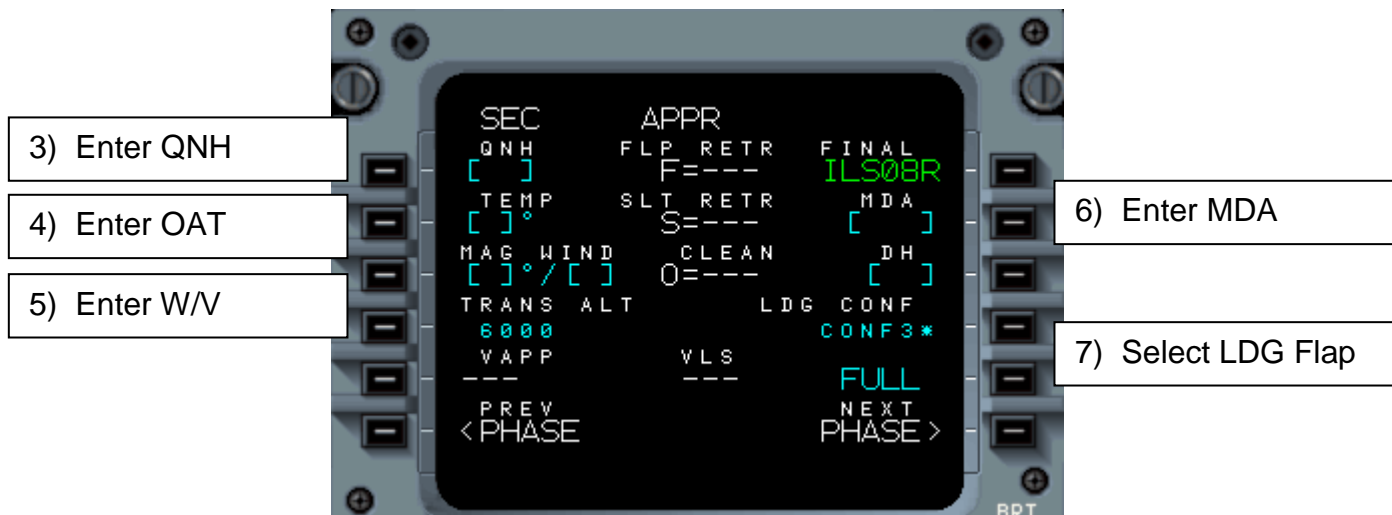
7. SECONDARY FLIGHT PLAN PERF APPROACH (3.03.06 P11)



1) Select Secondary F-PLN PERF



2) Press 6R 4 times to display PERF-APPR page for SEC F-PLN



SEC F-PLN PERF APPR after date entry

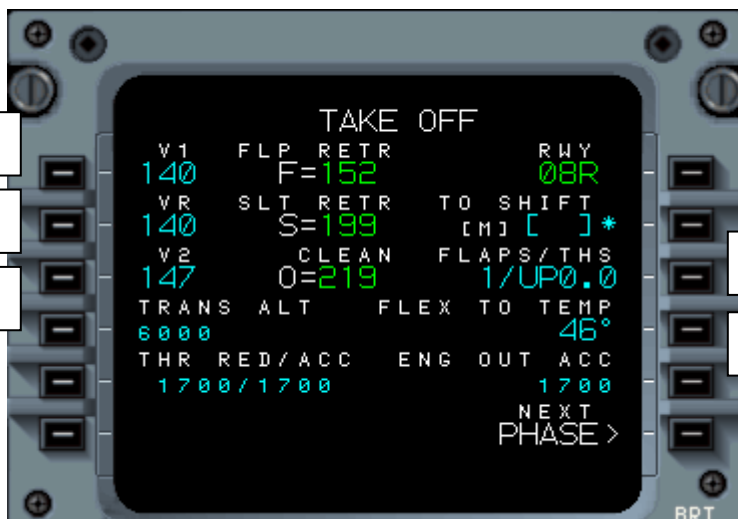
8. FLIGHT PLAN INITIALISATION – INIT B (3.03.06 P12)





2) Enter Block Fuel

9. FLIGHT PLAN INITIALISATION – PERF TAKE OFF (3.03.06 P12)



1) Enter V1

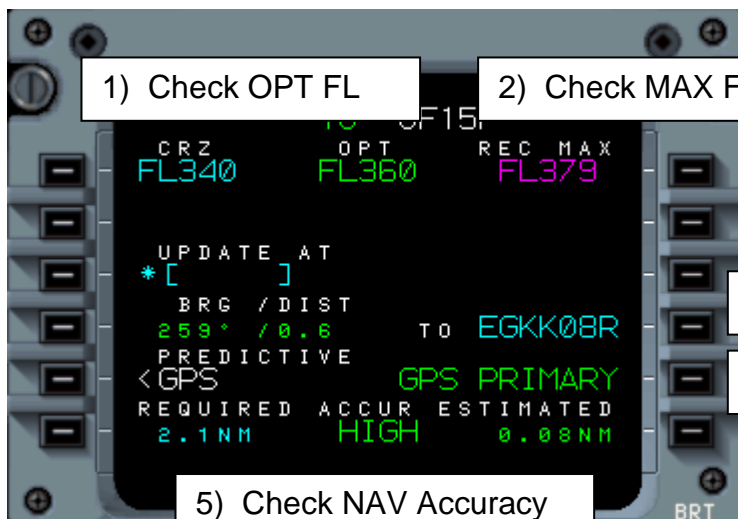
2) Enter VR

3) Enter V2

4) Enter Flap/THS

5) Enter FLEX TEMP

10. FLIGHT PLAN INITIALISATION – PROG (3.03.06 P12)



1) Check OPT FL

2) Check MAX FL

3) Enter Dep RW

4) Check GPS status

5) Check NAV Accuracy