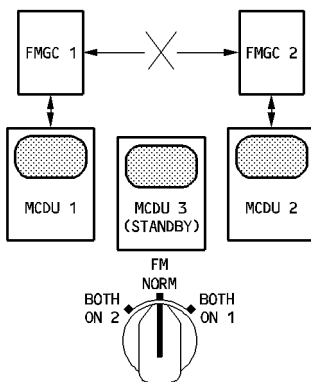


INDEPENDENT MODE



FFCS-04-0610-001-A110AA

The system selects automatically this degraded mode under specific abnormal conditions e. g. different database validity on both FMGCs.

While this is occurring :

“INDEPENDENT OPERATION” message is displayed on both MCDU scratchpads.

The “IND” annunciator light illuminates amber on the top of the MCDU.

On POS MONITOR pages and GPS MONITOR pages, FM and GPS positions from the opposite FMGC are not displayed.

On RAD NAV page, nav aids tuned on the opposite MCDU are not displayed. Corresponding fields are blank.

Procedures on ground

If each FMGC is loaded with a different database, the FMGS will operate in independent mode only.

- CHECK the database number and validity.
- CROSSLOAD the database to restore the dual operation.

Crossload function is available on ground only (in preflight or done phase) when an independent operation is detected.

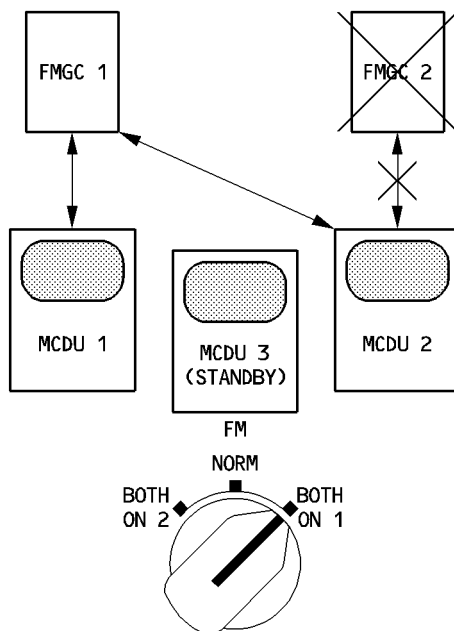
Procedures in flight

- Do not switch the navigation databases.
- Make the same entries on both MCDUs to have both AP/FD similar orders.
 - Both FGs being valid, 2 APs may be engaged for CAT II or CAT III operations.

● In the event of a go around and when the second AP is disconnected.

- ENSURE that the FMGC in command has correct flight plan orders and a nav database up to date.

SINGLE MODE



FFCS-04-0610-002-A001AA

The system degrades to the single mode when one FMGC has failed, and the pilot has selected the FM source switch to the healthy FM.

While this is occurring :

corresponding ND displays "OFF SIDE FM CONTROL" amber message.

Both POS MONITOR pages display the same position (operative FMGC position).

Both FDs are driven by the same FMGC.

Any entry on either MCDU is sent to the operative FMGC.

Procedures

● If a transient failure triggers a single mode of operation :

- DO NOT USE the MCDU(s) until PLEASE WAIT message is suppressed
- SET both NDs on the same range and mode to display the same information from the operative FMGC.
- When convenient, RESET the failed FMGC using the procedure described in this chapter.

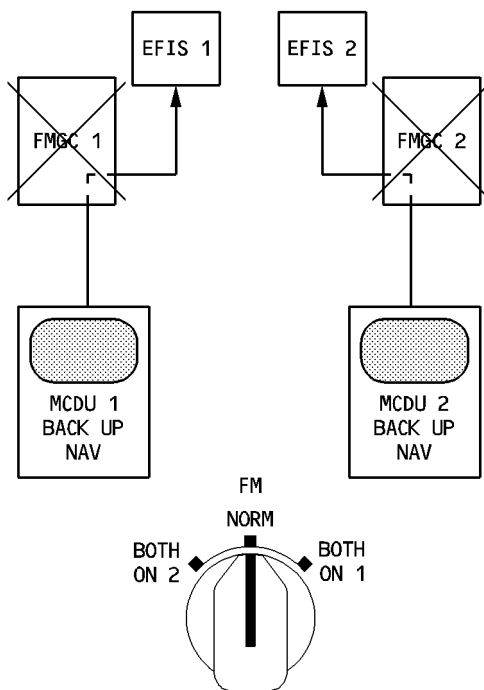
BACK UP NAVIGATION MODE

The pilot selects on the MCDU menu page this degraded mode when both FMGCs have failed. He recovers the navigation function through the MCDU and ADIRS.

The MCDU continuously memorizes the active flight plan in its internal memory.

If both FMGCs fail, the back up navigation provides the following functions :

- Flight Planning
- Aircraft position using outside IRS or IRS 3
- F-PLN display on ND
- No AP/FD NAV mode
- Limited lateral revision
- F-PLN automatic sequencing



Note : MCDU 3 is not able to operate as back up navigation even when it replaces MCDU 1 or 2. The back up navigation mode is only accessible on the MCDU MENU page if the FM source selector is set to NORM position.