

MD-11 FMS Initialization

AC STATUS – Displays when powered up, or press **REF**, then press **AC STATUS** prompt. To change active database, select new DB. Press **CONFIRM** prompt to activate.

Complete Flight Plan Uplink

Select **F-PLN INIT** prompt on **AC STATUS** page, or press the **INIT** key. Complete the **F-PLN**, **Weight** and **Fuel** pages.

F-PLN Page

--If FPLN uplink unavailable, Enter **KORG/KDST**
--Enter **KALT** (*O's if none*)
--Adjust present position with slew keys (*if GNS POS not displayed*)
--Select **"Initialize IRUs"**
--Enter Flt Number (min 4 characters)
--Enter Cruise FL's (separate with /'s)
--Enter cost index

Weight (press →)

--Enter taxi and block fuel
--(TOGW & ZFWCG filled in later)

Fuel (press →)

--Enter refuel quantity
--Enter ballast (if req'd)
--If ballast req'd, enter 2, U or T

Modify Uplinked Route, or build route

Press **F-PLN** key

--Select **KORG** (goes to lateral rev page)
--Select Runway (<SEL>)
--Select **SID** (<SEL> will be displayed)
--Select Transition (<SEL>)
--Select ***INSERT**

Waypoint Entry (Via airway, direct entry, place/brg/dst, place/dst, lat/long)

Airway

--Select wpt that is start of airway
--Select **AIRWAYS**
--Enter airway ID in scratchpad & move to **VIA** prompt
--Enter ending waypoint in scratchpad & move to **TO** prompt (or if airway to intercept another airway, enter 2nd airway in 2nd VIA)
--After airways have been entered, select ***INSERT** prompt

Direct Entry

--Enter waypoint in scratchpad & move to point on plan where waypoint is to be inserted. Moving to point on plan inserts waypoint and moves subsequent waypoints down.

STAR

--Select waypoint that is beginning point of STAR
--Select **STAR** prompt

Discontinuities

--Clear (if desired) by pressing **CLR** key, then select **FLIGHT PLAN DISCONTINUITY** line. This creates a direct route between two points that previously were not connected.

Verification of Entries

Progress Page - Go to progress page & verify total distance against flight plan distance

EFIS

--Select **PLAN** on ECP (EFIS Ctrl Panel)
--Select **F-PLN** on FMC; use slew keys to step through route (ND will show a "North-up" view of route)
--Reselect **MAP** on ECP

Complete Wind Data Uplink

Changes to Route

New SID or STAR requires deletion of old STAR, and reselection of new STAR, even if it is the same STAR, but with different transition. (Select ORG, select STAR, press **CLR**, select old STAR, select STAR, select transition, select runway – new STAR is now entered)

Add or delete waypoints as necessary for compliance with clearance.

Copy flight plan to Secondary – Select **SEC F-PLN** key. Select **COPY ACTIVE** prompt. Route changes are made to secondary plan, then activated.

Load **ZFW**, **ZFWCG** and **TOCG** from load manifest in **Weight** page of **INIT**.

Complete **TO/APPR** page

-- Enter **FLEX** value (assumed temp) from OPS (if desired)
--Select appropriate **THRUST LIMIT** if FLEX is used
--If max thrust T/O is desired after already selecting **FLEX**, press **CLR**, and select **FLEX** (deleted flex)
--PACKS field toggles packs on/off
--Enter T/O flaps from OPS
--Enter slope & wind (use +/-, U/D, H/T)
--Enter OAT (ex. 85F, or 33C)
--Confirm v-speeds (or modify). Selecting values with an "*" will activate and display them on PFD speed tape
Clearing v-speed will redisplay FMS calculated v-speed
--Enter level-off in engine out acceleration field

Note: A difference of greater than 2% between the load manifest TOCG and the calculated CG on the Secondary Engine Page should be resolved before departure.