INTRODUCTION

The G280 Fusion Quick Reference Guide (QRG) is used as a supplement for quick-checking Flight Management System (FMS) operations. Line Select Keys (LSK) are located on the Control Display Unit (CDU), six to the left and six to the right of the display.

STATUS

The **STATUS** page is displayed at power up or via the index.

1. Push the **IDX** function key.
2. Push the **STATUS** LSK.
3. Make sure the **NAV** database is correct.
4. Make sure **UTC** and **DATE** are correct. **PROGRAM** identifier shows.
5. If Performance or Vspeeds databases are installed, in the row under the CDU, push the **NEXT** function key. **PERF DATA BASE** identifier shows, and **VSPD DATA BASE** identifier shows.

NOTE
Changing the NAV database cycle (only on the ground) clears ACT and SEC FPLNs.

POSITION INITIALIZATION

1. Push the **IDX** function key.
2. Push the **POS INIT** LSK.
3. Push the **NEXT** function key.
4. **GNSS1 & GNSS2** positions show. If not, determine status.
5. Push the **PREV** function key.
6. Push the **SET POS TO GNSS** LSK. **FMS POS** changes to **GNSS POS**.

NOTE
Update the FMS position with the most accurate position available. Selections are GNSS, FMS position, AIRPORT, PILOT REF WPT and LAT/LON ENTRY.

FLIGHT PLANNING

1. Push the **FPLN** function key.
2. Enter the **ORIGIN** airport into scratchpad.

NOTE
Changing the ORIGIN airport deletes the ACT/MOD FPLN. Enter ORIGIN airport only on the ground.

1. Insert at **ORIGIN** with LSK.
2. Enter the **DEST** airport into scratchpad.
3. Insert at **DEST** with LSK.
4. If required, enter **ALTN** airport into scratchpad.
5. Insert at **ALTN** with LSK.
6. Push the **EXEC** function key to execute the flight plan.

PERFORMANCE INITIALIZATION

1. Push the **PERF** function key.
2. Push **PERF INIT** LSK.
3. Make sure that the **BOW** is correct.
4. Enter the number of passengers and/or passengers and weight in the scratchpad.
5. Insert at **PASS/WT** with LSK.
6. Enter the cargo weight in the scratchpad.
7. Insert at **CARGO** with LSK.
8. Enter the planned cruise altitude in the scratchpad.
9. Insert at **CRZ ALT** with LSK.
10. Push the **EXEC** function key.
11. Enter the total fuel in the scratchpad.
12. Insert at **FUEL** with LSK.

NOTE
Using the DELETE command on the FUEL LSK clears the FUEL value and then updates the FUEL value with fuel weight from the Fuel Quantity Measuring System.

DEPARTURE

Origin Runway Selection
1. Push the **DEP/ARR** function key.
2. Push LSK for the departure runway.

SID Selection
1. Push LSK of the desired **SID**.
2. Push left LSK for the desired transition route.
3. Push the **EXEC** function key.

NOTE
If required, push the NEXT or PREV function key to show additional departure Runways, SIDs and Transitions.

ROUTE ENTRY

Via Direct
1. Push the **FPLN** function key.
2. Enter waypoint in the scratchpad.
3. Enter waypoint at **TO** with LSK.
4. Enter additional waypoints in the same manner.
5. Push the **EXEC** function key.

Via Airways
1. Push the **FPLN** function key.
2. Enter airway identifier in scratchpad (for example, J23).
3. Insert at **VIA** with **LSK**.
4. Enter airway exit point in scratchpad.
5. Insert at **TO line** with LSK.
6. Push the **EXEC** function keys.

ARRIVAL SELECTION

1. Push the **DEP/ARR** function key.
2. Push the left LSK for the desired STAR.
3. Push the **LEGS** function key.
4. Review FPLN on LEGS page(s) and MFW map.
5. Push the **EXEC** function key.

NOTE
If required, push the NEXT or PREV function key to show additional selections.

APPROACH SELECTION

1. Push the **DEP/ARR** function key.
2. Push LSK for the desired approach.
3. Push LSK for the desired transition.
4. Push the **LEGS** function key.
5. Review FPLN on LEGS page(s) and MFW map.
6. Push the **EXEC** function key.

NOTE
If the destination airport is the active waypoint when an approach is selected, it remains the active waypoint.

HOLDS

Hold at Flight Plan Waypoint
1. Push the **IDX** function key.
2. Push **HOLD** LSK.
3. Push **NEW HOLD** LSK.
4. Push LSK of the waypoint where the hold is desired to copy the waypoint into scratchpad.
5. Insert waypoint at **HOLD AT** prompt.
6. Modify the hold as needed.
7. Make sure the hold pattern shows on the MFW map.
8. Push the **EXEC** function key.

Hold at Present Position
1. Push the **IDX** function key.
2. Push **HOLD** LSK.
3. Push **PPOS** LSK.
4. Modify the hold as needed.
5. Push the **EXEC** function key.

NOTE
When selecting a hold at PPOS, the FMS begins the hold immediately if FMS is the NAV source.

Modify Existing Hold
1. Push the **IDX** function key.
2. Push **HOLD** LSK.
3. Push LSK of the desired hold.
4. Enter the desired hold change in the scratchpad.
5. Insert at the appropriate LSK.
6. Push the **EXEC** function key.

NOTE
The inbound course of a hold in progress cannot be modified.

Exit Hold
1. Push the **LEGS** function key.
2. Push **EXIT HOLD** LSK.
3. Push the **EXEC** function key.

Cancel a Hold Exit
1. Push the **LEGS** function key.
2. Push **CANCEL EXIT** LSK.
3. Push the **EXEC** function key.

OFFSET PARALLEL COURSE

Enter
1. Push the **FPLN** function key.
2. Enter offset direction and distance into the scratchpad (for example, L10).
3. Push **OFFSET** LSK.
4. Make sure course offset on MFW map is correct.
5. Push **EXEC** function key.

Cancel
1. Push the **FPLN** function key.
2. Push the **CLR/DEL** function key.
3. Push **OFFSET** LSK.
4. Make sure course offset is removed on MFW map.
5. Push the **EXEC** function key.

NOTE
Offset parallel course is only available in flight.

AIRBORNE POSITION UPDATE

GNSS/IRS Update
1. Push the **IDX** function key.
2. Push **POS INIT** LSK.
3. Push **NEXT** or **PREV** as necessary to show the desired position source for the update.
4. Push the left side LSK of the desired sensor.
5. Push **NEXT** or **PREV** as needed to advance to the **POS INIT** page 1.
6. Insert at **SET POS** line.

NAVAID Update
1. Push the **IDX** function key.
2. Push **POS INIT** LSK.
3. Push the **NEXT** function key.
4. Enter identifier of applicable and receivable **NAVAID** into scratchpad.
5. Push **UPDATE FROM NAVAID** LSK.
6. Push **CONFIRM POS** LSK.

NOTE
NAVAID update is only available when airborne.

ACTIVATE LINK2000+:
Aircraft Precondition: Aircraft Startup and WOW
Push the **ATC/ATS** LSK.

NOTE
Initial push: L-LSK-1 shows ATN CPLDC (is on)
Next push: FANS CPLDC (is on)
With each continued push and release of **ATC/ATS** LSK, the display alternates between ATN and FANS.

After **ATC/ATS** initial push, to **ACTIVATE ATN CPDLC-LOGON/STATUS:** Push L-LSK-1

TO ACTIVATE:
- **FLT ID:** Push L-LSK-2
- **ORIO STA:** Push L-LSK-3
- **LOGON TO:** Push R-LSK-2
- **DEST STA:** Push R-LSK-3
- **SEND LOGON:** Push R-LSK-5**
- **ATC MSG:** Push R-LSK-6***
- **ACTIVATE RETURN:** Push L- LSK-6. (ATN CPDLC Menu shows.)

TO ACTIVATE: (only after L- LSK-6 is pushed)
- **LOGON/STATUS:** Push L- LSK-1
- **ATC LOG:** Push L- LSK-2
- **REPORTS/REQUESTS:** Push R- LSK-3*
- **ATN LINK STATUS:** Push L- LSK-5
- **LOGOFF:** Push R-LSK-1*

After ATC/ATS 2nd push, to **ACTIVATE FANS CPLDC-LOGON/STATUS:**

TO ACTIVATE:
- **FLT ID:** Push L-LSK-4
- **LOGON TO:** Push R-LSK-4
- **SEND LOGON:** Push R-LSK-5**
- **ATC MSG:** Push R-LSK-6***
- **ACTIVATE RETURN:** Push L-LSK-6

TO ACTIVATE:
(only after L- LSK-6 is pushed) (FANS MAIN MENU shows.)
- **LOGON/STATUS:** Push L- LSK-1
- **REQUESTS:** Push L- LSK-2
- **POS REP:** Push L- LSK-3
- **FREE TEXT:** Push L-LSK-4
- **MSG LOG:** Push R-LSK-1
- **EMERGENCY:** Push R-LSK-2
- **REPORTS DUE:** Push R-LSK-3
- **ADS:** Push R-LSK-5

 *Will only show when connection is established with ground station.
   **Will only show when in COM and proper fields have been entered.
***Seen when message has been received from ground station.

ROCKWELL COLLINS FMS SHORTCUTS

ACTIVATE SECONDARY FPLN:
FPLN, SEC FPLN, Activate, EXEC

ACTIVATE STORED FPLN:
IDX, NEXT, Route Menu, Pilot Route List, Select Route with LSK, Activate, EXEC

ALONG TRACK ETA FIX:
LEGS, copy WPT identifier into scratchpad, add a / and then a – if prior to WPT or a + if after WPT, enter desired distance, enter on WPT in legs page, EXEC (for example, / – or +)

AIRPORT INFORMATION:
IDX, NEXT, DATA BASE, airport ICAO identifier into scratchpad, enter on IDENT

ARRIVAL DATA:
IDX, NEXT, ARR DATA

BOW CHANGE:
IDX, NEXT, DEFAULTS, BOW into scratchpad, enter on BOW

CHECK-SAT, ISA, TAS, FMS WINDS:
IDX, PROG, NEXT to last page

CROSSING RESTRICTION:
LEGS, add a / and then desired altitude into scratchpad, enter on WPT in legs page using the right side line select key, EXEC

COURSE INTERCEPTS:
DIR, select TO WPT with LSK, type intercept course into scratchpad, enter on INTC CRS, EXEC

DEFAULT TRANSITION LEVEL:
IDX, NEXT, DEFAULTS 2/6, TRANS ALT or FL into scratchpad, enter on TRANS FL or TRANS ALT

DEFAULT VERTICAL PATH ANGLE (VPA):
IDX, NEXT, DEFAULTS 2/6, VPA into scratchpad, enter on DESCENT ANGLE

DEFINE WPT:
IDX, NEXT, DATA BASE, DEFINE WPT, enter definition, name, STORE

DISTANCE FLOWN:
PERF, FLT LOG, GND DIST

FLT LOG ON LDG:
IDX, NEXT, DEFAULTS 3/6, FLT LOG ON LDG select YES

FLY OVER WPT:
LEGS, copy WPT into scratchpad, add /0 to WPT, enter on WPT in legs page

FUEL FLOW / FUEL TOTALIZER:
PERF, FUEL MGMT, NEXT

FUEL USED:
PERF, FLT LOG, FUEL USED

ISA DEVIATION AND WINDS ALOFT (by Leg):
LEG, LEG WIND, ISA or WIND into scratchpad, enter on WPT, EXEC

ISA DEVIATION AND WINDS ALOFT (Cruise Block):
(Requires Perf database) PERF, PERF INIT, NEXT, ISA or WIND into scratchpad, enter on ISA or desired block WIND, EXEC

MAG/TRUE:
(Requires IRS), IDX, NEXT, FMS CTL, MAG/TRUE

MEASURED/PREDICTED PERF:
(Requires Perf database) PERF, FUEL MGMT, PERFORMANCE MODE select Predicted or Measured

NAME-STORE A FLT PLAN:
FPLN, route name into scratchpad, enter on ROUTE, EXEC, IDX, NEXT, ROUTE MENU, PILOT ROUTE LIST, ACT STORE

OFFSET PARALLEL COURSE:
FPLN, Enter offset L# or R#, R6 Offset, EXEC

PERFORMANCE INITIALIZATION:
PERF, PERF INIT, enter PASS WT, enter CARGO, enter CRZ ALT, EXEC

SECONDARY FLIGHT PLAN STORE:
IDX, NEXT, ROUTE MENU, PILOT ROUTE LIST, SEC STORE

SATELLITE DESELECT:
IDX, NEXT, GNSS CTL, RNP RAIM, satellite number into scratchpad, enter on SAT DESELECT

SELECT SBAS SERVICE PROVIDER:
IDX, NEXT, GNSS CTL, SELECT SBAS, ENABLE /DISABLE provider

STORE ACTIVE FPLN:
IDX, NEXT, ROUTE MENU, PILOT ROUTE LIST, ACT STORE

STORED FPLN CALL UP:
IDX, NEXT, ROUTE MENU, PILOT ROUTE LIST, Select desired FPLN with LSK, ACTIVATE, EXEC

TAKEOFF / LANDING TIMES:
PERF, FLT LOG, T/O, LDG

VNAV SETUP:
PERF, VNAV SETUP

VOR/DME NAVAID INHIBIT:
IDX, NEXT, VORDME CTL, enter identifier of NAVAID, enter on open NAVAID INHIBIT

WEIGHT A/C:
PERF, PERF INIT, enter on GWT

WINDS-FMS:
IDX, PROG, NEXT to last page

Rockwell Collins

G280 Pro Line Fusion® Flight Management System

Quick Reference Guide

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