

## GPS APPROACH PLANNING & DECISION TREE

Is the GPS procedure in GPS database?  
Will RAIM be available?

Database  
& RAIM

No

Plan to execute an alternative NPA using ground-based navaid(s). Note AIM 1-1-21 c.6(h) restriction on GPS-only alternate.

Yes

Does the GPS provide roll steering commands through AFCS?

Roll  
Steering

No

Plan to use both HSI heading & course selectors; AFCS & HDG & applicable NAV modes during GPS approach.

Yes

Can the GPS slew the HSI course selector?

HSI auto  
Course  
Slew

No

Plan to manipulate HSI course selector by hand for all required course change maneuvers.

Yes

Can the GPS receive HSI heading and/or course inputs?

HSI inputs  
To GPS

No

Plan to program heading and/or course selections into GPS in addition to twisting HSI knobs.

Yes

Can the GPS provide all required procedure legs for the GPS approach?

Procedure  
legs

No

Plan to use HSI heading and/or course selector(s) &, if necessary, program GPS procedure legs. NOT PROVIDED by GPS review use of AFCS HDG & NAV modes.

Yes

Does the approach have a step-down fix with a crossing altitude restriction between FAF & MAP or runway end?

Step-Down  
Fix

Yes

Determine distance from step-down fix to Missed Approach Point or runway end identifier. Step-down fixes, inside Final Approach Fix, ARE NOT in the GPS approach database. Pilot is responsible for complying with step-down fix restrictions inside FAF.

No

Do I know how to select a GPS approach in GPS and how to verify GPS APP enable or GPS APP arm?

GPS APP  
enable or arm

No

Review GPS operational modes & annunciations; GPS APP ARM or ENABLE may be manually selected or automatic inside 30 nm, if pre-selected, depending upon GPS system.

Yes

Do I know how to set up the AFCS for GPS non-precision approach?

AFCS setup  
Or GPS APP

No

Review use of AFCS HDG and applicable NAV modes, arm & active functions pertaining to GPS APP to GPS approach in AFM Supplement.

Yes

Do I know to modify GPS flight plan, and change AFCS modes if given a radar vector, and amendment to clearance?

GPS  
APP  
Amend

No

Review flight plan route changes in GPS operator's manual & AFCS AFM supplement for proper use of HDG & applicable NAV guidance modes; Appropriate selection of HSI headings & courses.

Yes

