

RNAV (GPS), GPS, GNSS Approach

NP.30.13 and SP.4.9

Set Up	DEP/ARR - Steal approach POS Page 2 - Confirm FMC POS (GPS) line 1 - Set 0.3 RNP - Expect Verify RNP EICAS msg LEGS- Set FAF to Hard airspeed - ✓check fixes & alts (FAF) - ✓check speeds - ✓RWYXX waypoint (EOD) CRZ- Set FL410 PERF- ✓FL410 DES- ✓check EOD point		M/A Criteria (Anytime) - VERIFY POSITION (FMC) (NOT VERIFY RNP (EICAS)) - UNABLE RNP (EICAS) - GPS (Dual Fail) (EICAS)	
	Do not change fixes inside FAF Set DA if LNAV/VNAV mins available Set DDA if LNAV only mins available (MDA +50) Brief App plate normally, then extra - Airport Temp. w/in tolerance - A/P required in IMC - DA/DDA - LEGS page setup - PM on PROG Page 2 o VTK +/- 70 o XTK > 0.3 NM o Loss of VNAV PATH		M/A Criteria (After FAF and Lights or RWY not in sight) - VTK +/- 70 - XTK >0.3 NM - Loss of VNAV PATH	
Condition	PF		PM	
	Do	Say	Do	Say
After Brief		Descent ✓ Approach ✓		
Cleared for Approach	Select Roll Mode LNAV	LNAV		
On intercept Heading	Review LAVS PROG page 2 Monitor XTK and VTK		PROG page 2 Monitor XTK and VTK	
XTK < 0.3				Cross Track less than 0.3. You are established
3-5 Miles to FAF	✓ ALT HOLD Don't Balloon (Config before selecting VNAV)	Gear Down, Flaps 20, Update speed	Comply	Gear Down, Flaps 20
3 Green		Flaps 30 Update speed, Landing ✓		Flaps 30 Landing ✓

XTK < 0.3 OR Vectored to final app crs and at next waypoint alt. OR direct to app waypoint and at altitude for that way point	A Set MCP Alt VNAV Selected (pause) Speed Intervene After window Blanks	TDZE Alt. Set	Point to altitude	TDZE Alt. Set
Before FAF	✓VNAV PATH	VNAV Path	✓Football Alive	VNAV Path
At FAF	✓Football Disconnect A/P for any step alts. Stay VNAV Path!	Starting down	✓Football Watch Green Arc Call 3-1 info	
At least 300' below M/A altitude AND above 1000' AGL		Set Missed Approach Alt.		Missed Approach Alt. Set
1000' AGL				1000, Cleared to Land, M/A Alt Set
500' AGL				500
DA or DDA +80'				Approaching Minimums
At DA or DDA	Fly the F/D down to 50' Use football or V/S 700 fpm	AppLts in Sight or Rwy in Sight or Missed App		Minimums Repeat PF
By DA - 50' or DDA - 100'	Disengage AP Fly the F/D	AP Off		
100' above TDZE		Rwy in Sight or Missed App		Repeat
50'	Look outside			
MAP				Missed Approach Point
EOD point OR Flare	Disconnect A/T	A/T Off		A/T Off

Confirm angle anymore???

Do we need ballnote anymore?

No need to check stepdowns inside of FAF???

- o Enter fix, but don't execute to check crossing altitude is above charted.
- o Disconnect A/P and hand fly to comply - Stay in VNAV PATH

Do we click off A/P to make step downs inside FAF???

Simism - Configure before selecting VNAV - No Balloon.

Delete FMS altitudes above vector

altitude - may prevent balloon. ?????

Confirm FMS GP angle is within 0.01 degrees of published descent angle?????

Inhibit VOR/DME updating?????

Inhibit DME/DME updating if req'd??????