

VNAV Approach

Set Up	DEP/ARR - Steal approach LEGS- ✓check fixes & alts (FAF) ✓check speeds ✓RWYXX waypoint (EOD) CRZ- Set FL410 PERF- ✓FL410 DES- ✓check EOD point Do not change fixes inside FAF Brief App plate normally, then extra Football LEGS page setup DDA Raw Data – EOD point Brief who will ID each point Raw Data - VOR or L DME req'd Plan DME or time to MAP	Set DA - per Vol 1 NP 30.11 Set DDA - all approach w/ no ball note - all Vertical Speed approaches L - LOC, LNAV, BC LOC, HDG SEL A - FAF, TCH, TDZE ^ 100', M/A V - VNAV or V/S S - Speed Intervene, not Spd button Brief V/S if VNAV lost before FAF. Change to DDA. Determine before FAF what V/S to use as backup Delete FMS altitudes above vector altitude – may prevent balloon.	
Condition	PF	PM	
	Do	Say	Do
			Say
After Brief		<i>Descent ✓ Approach ✓</i>	
On intercept Heading	Review LAVS Go PROG p2 for vertical deviation		FMS PROG page 2 for vertical deviation
Cleared for Approach	Select Roll Mode LNAV, LOC, LOC BC, HDG SEL	<i>LNAV Go Raw data (LOC DME)</i>	Display Raw Data (LOC DME)
W/in ½ dot LOC 1 dot VOR			<i>Approaching Inbound Course</i>
3-5 Miles to FAF	✓ ALT HOLD Don't Balloon (Config before selecting VNAV)	<i>Gear Down, Flaps 20, Update speed</i>	Comply <i>Gear Down, Flaps 20</i>
3 Green		<i>Flaps 30 Update speed, Landing ✓</i>	<i>Flaps 30 Landing ✓</i>
On APP segment and FAF ALT Assured	A Set MCP Alt VNAV Selected (pause) S peed Intervene After window Blanks	<i>TDZE Alt. Set</i>	Point to altitude <i>TDZE Alt. Set</i>
Before FAF	✓VNAV PATH	<i>VNAV Path</i>	✓ Football Alive <i>VNAV Path</i>
At FAF	✓Football Hack Clock Disconnect A/P for any step alts. Stay VNAV Path!	<i>Starting down</i>	✓Football Hack Clock Watch Green Arc Call 3-1 info
Before 1000' AGL		<i>Set Missed Approach Alt.</i>	<i>1000, Cleared to Land, M/A Alt Set</i>
500' AGL			<i>500</i>
DA or DDA +80'			<i>Approaching Minimums</i>

At DA or DDA	Fly the F/D down to 50' Use football or V/S 700 fpm	<i>AppLts in Sight or Rwy in Sight or Missed App</i>		<i>Minimums Repeat PF</i>
By DA - 50' or DDA - 100'	Disengage AP Fly the F/D	<i>AP Off</i>		
100' above TDZE		<i>Rwy in Sight or Missed App</i>		<i>Repeat</i>
50'	Look outside			
MAP				<i>Missed Approach Point</i>
EOD point	Disconnect A/T	<i>A/T Off</i>		<i>A/T Off</i>

- Can NOT switch to V/S mode after the FAF – OK before FAF if briefed
- Who will Identify each point? Man VOR vs. raw data.
- On V/S only approach (NDB or ASR) try to use VNAV path as reference while in V/S if there is a valid EOD.
- Hack clock
- Decision region and G/A criteria (Dot, Dot, 5):
 - 1 Dot – LOC normal Mode
 - 5 degrees, one dot – VOR
 - 5 degrees – NDB

To Ensure Stepdowns inside of FAF

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

Must ID FAF and MAP using raw data

Simism – Configure before selecting VNAV – No Balloon.