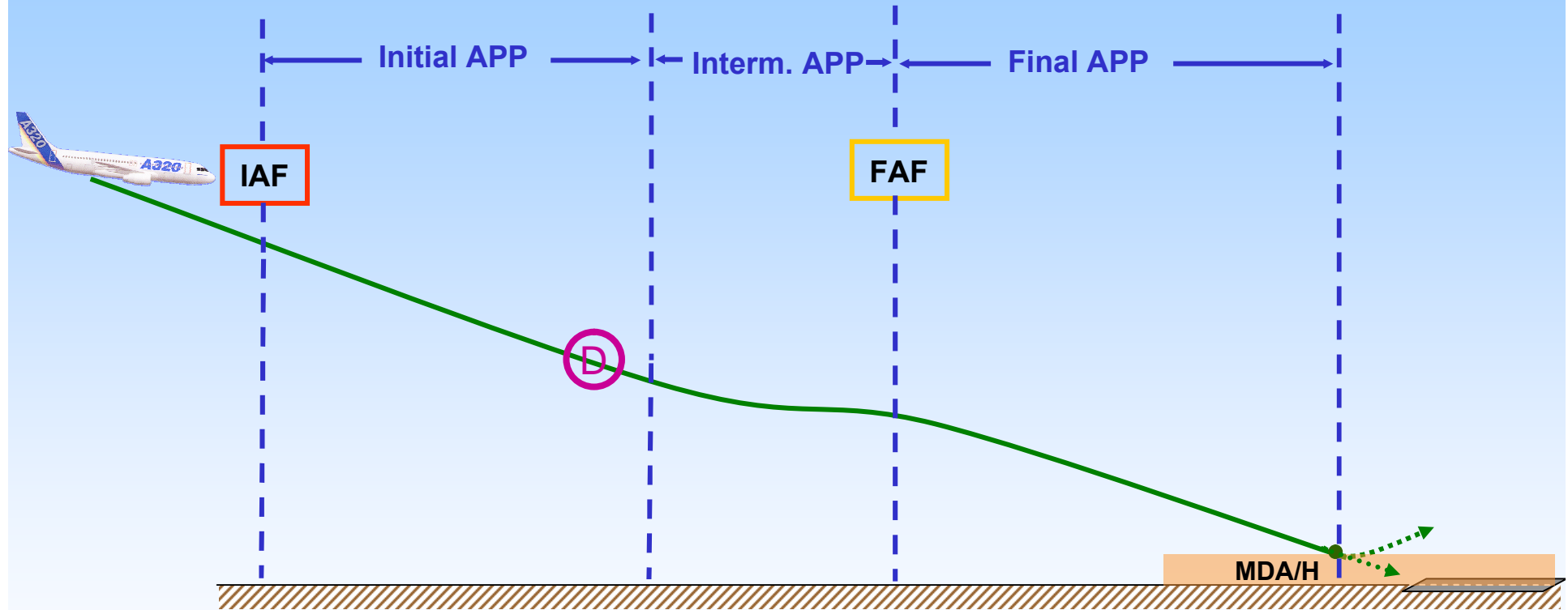


# RNAV GPS approach

OTHER Types of RNAV... 

Vocabulary 



FLYING REF : TRACK/FPA (FPD)

PF

PNF

## 1. INITIAL APPROACH

*You are cleared to 3000 ft ...*

*Passing BENET, you are cleared for APP & cleared to 2500 ft ...*

➤ **CONDITIONS FOR RNAV GPS APPROACH** 

➤ **BEFORE STARTING THE APPROACH** 

➤ **APPROACH STRATEGY** 

PF

PNF

## 2.INTERMEDIATE APPROACH

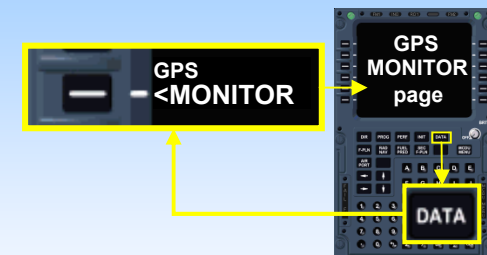
**FMA** Check **FINAL** and **APP NAV**

GPS 1+2 on GPS MONITOR page.....CHECK BOTH IN NAV

GPS PRIMARY on PROG page..CHECK AVAILABLE

### DISCONTINUE THE APPROACH IF ONE OF THE FOLLOWING MESSAGE IS TRIGGERED:

- **NAV ACCUR DOWNGRAD**, and FMS navigation accuracy cannot be cross-checked with navaid raw data
- **FMS1/FMS2 POS DIFF**
- **CHECK IRS 1(2) (3)/FM POSITION**
- **ECAM: FM/GPS POS DISAGREE**
- **ECAM: FM/IR POS DISAGREE**



PF

PNF

### 3.FINAL APPROACH (LNAV/VNAV)

After the FAF :

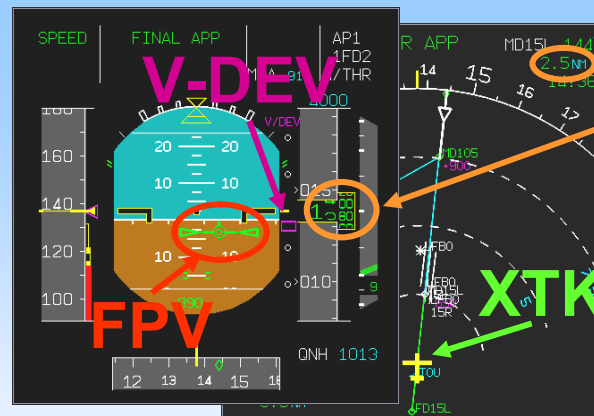
FMA Check FINAL APP

### GO AROUND ALTITUDE SETTING

A/THR.....CHECK SPEED MODE

POSITION/FLIGHT PATH.....MONITOR

➤ Monitor **VDEV** , **FPV** on PFD and **XTK** error (on the ND).



➤ Use **altitude indication** versus **distance to the runway** to monitor the vertical navigation.

- If the vertical guidance is unsatisfactory, revert to **FPA | NAV** or consider the go-around.
- If the lateral guidance is unsatisfactory, perform a go-around.

# RNAV GPS approach

## OTHER Types of RNAV...

RNAV operates within coverage of referenced navigation signals (VOR, DME) or self contained system capability (GPS)

Two navigation systems must be operative : 2 FMGS and 2 sensors

Basis	VOR/DME	GNSS	DME/DME
Navaid	1VOR + 1 collocated DME	GPS	2 DME
Accuracy	"HIGH ACCURACY" requested	"GPS PRIMARY" requested	"HIGH ACCURACY" requested

LOW OAT

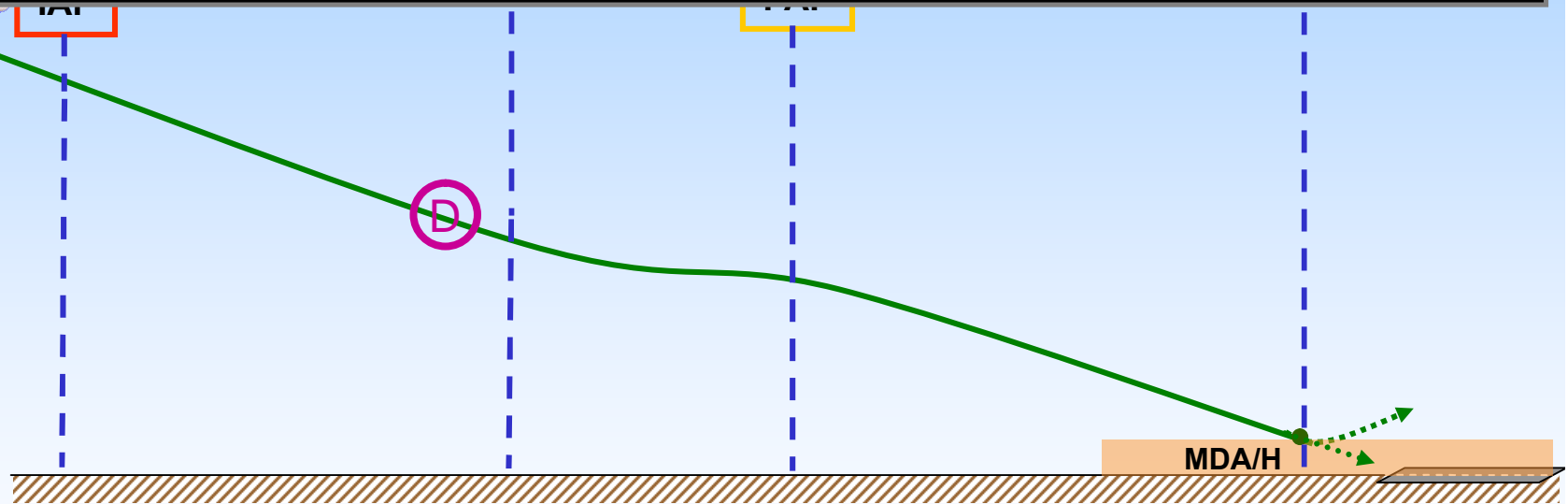
LNAV only ( **FPA** | **NAV** )

# RNAV GPS approach

OTHER Types of RNAV... 

Vocabulary 

- RNAV (Area NAV) : Method of navigation
- B-RNAV, P-RNAV : Basic RNAV (en route), Precision RNAV (approach)
- GNSS : Global Navigation Satellite System



FLYING REF : TRACK/FPA (FPD)

PF

PNF

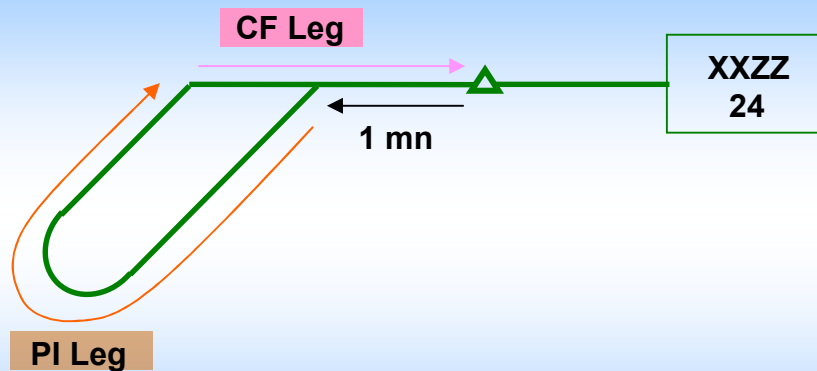
## 1. INITIAL APPROACH

*You are cleared to 3000 ft ...*

*Passing BENET, you are cleared for APP & cleared to 2500 ft ...*

### ➤ CONDITIONS FOR RNAV GPS APPROACH

➤ Approach doesn't include a PI-CF leg ( **PROC T** in MCDU).



➤ Approach is in the database.

➤ Approach is validated by the airline and final approach is not revised by the crew.

PF

PNF

## 1. INITIAL APPROACH

*You are cleared to 3000 ft ...*

*Passing BENET, you are cleared for APP & cleared to 2500 ft ...*

### ➤ **CONDITIONS FOR RNAV GPS APPROACH**

### ➤ **BEFORE STARTING THE APPROACH**

- **The crew must check the Lateral and the vertical FPLN against the published approach chart using the MCDU and ND**
- **Two navigation systems must be operative : 2 FMGS and 2 GPS sensors**

PF

PNF

## 1. INITIAL APPROACH

*You are cleared to 3000 ft ...*

*Passing BENET, you are cleared for APP & cleared to 2500 ft ...*

### ➤ CONDITIONS FOR RNAV GPS APPROACH



### ➤ BEFORE STARTING THE APPROACH



### ➤ APPROACH STRATEGY



➤ Lateral and Vertical managed : LNAV/VNAV approach ( **FINAL APP** )

➤ Lateral managed and Vertical selected : LNAV ONLY ( **FPA | NAV** ) approach (in case of low OAT)