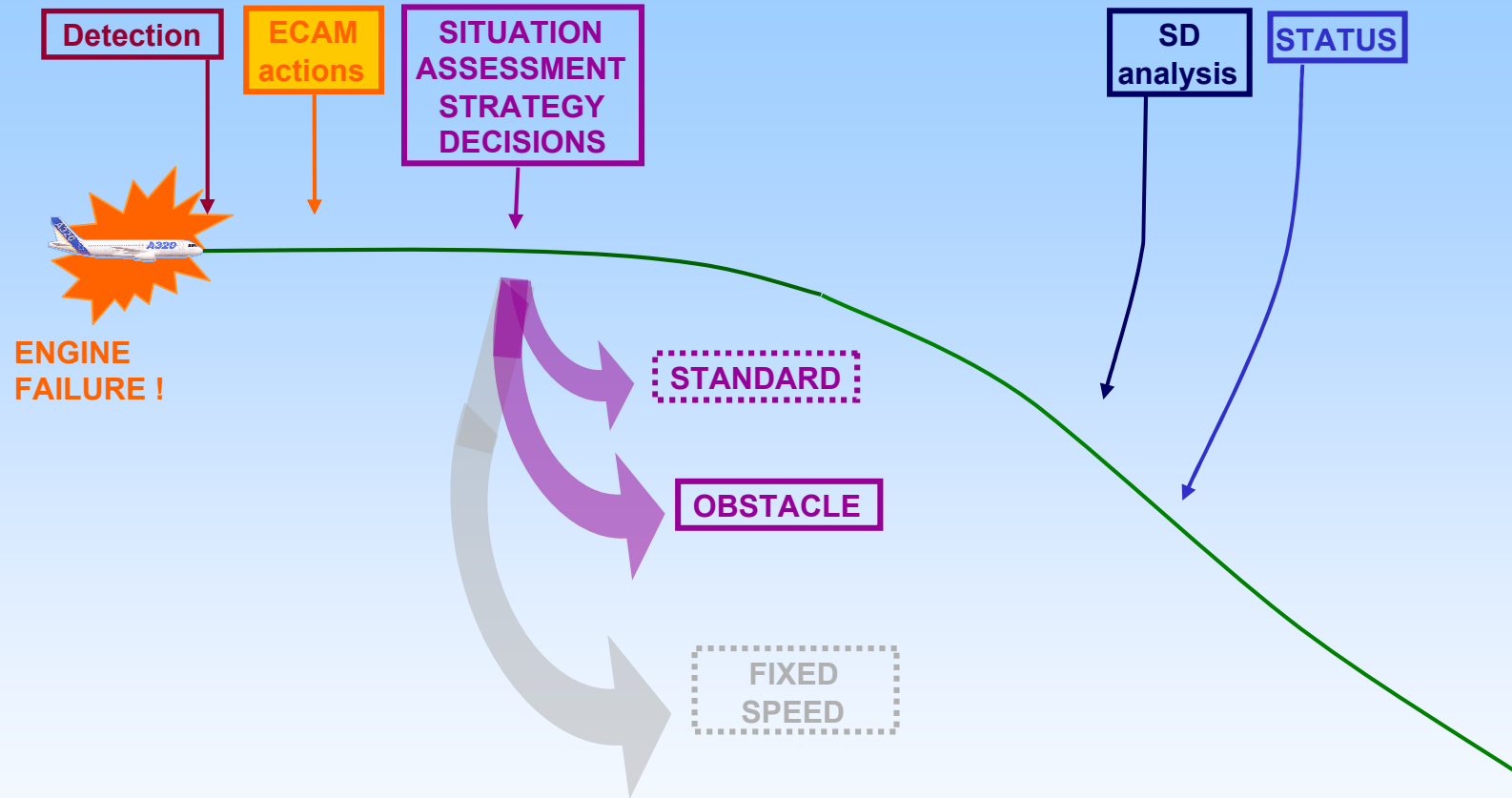


ENGINE FAILURE IN CRUISE (WITH DAMAGE)



PF

PNF

1. ENG 1 FAIL

DETECTION

FLIES THE AIRCRAFT

NAVIGATES ⇒ **LAND ASAP**...Short term decision

CONSIDER AUTOMATION USE

THRUST LEVERS.....MCT

A/THR.....OFF 

ECAM ACTIONS

ECAM PROCEDURE

STOP ECAM actions when :



COMMUNICATES

Deceleration Not below Green Dot



PF

PNF

2. OBSTACLE STRATEGY



For descent :

GREEN DOT.....SET AND PULL

DRIFT DOWN CEILING ALT.....SET AND PULL

During descent to Drift Down Ceiling ...



➤ Thrust MCT

➤ Speed controlled by the elevator



Check GREEN DOT GROSS CEILING



REC MAX = EO LRC Ceiling

➤ EO CLR Prompt



PF

PNF

3. ECAM ACTIONS... DAMAGE

ORDER....."CONTINUE ECAM"

ECAM ACTIONS.....CONTINUE

ECAM ACTIONS

ECAM PROCEDURE

DAMAGE ?

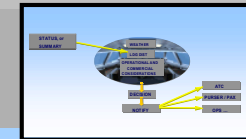


SYSTEM DISPLAY

STATUS

RETURN TO NORMAL TASK SHARING

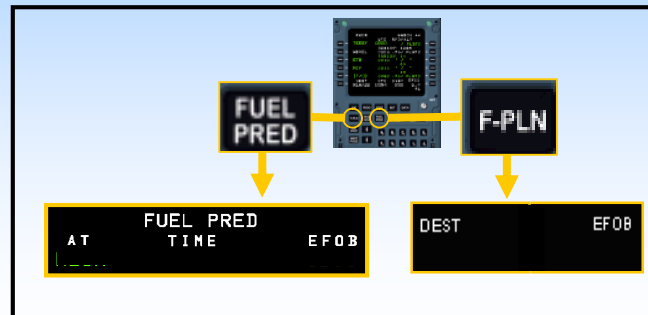
DECISION



➤ Consider APU Start
APU normal flight envelope :



➤ DIST & FUEL computations to Landing



PF

PNF

4. OBSTACLE STRATEGY

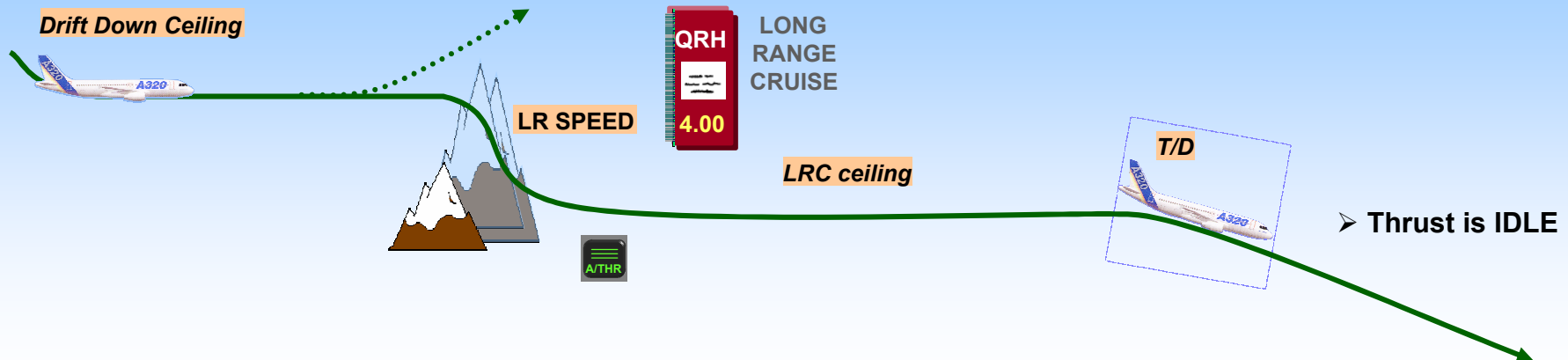
When obstacles are cleared :

LR CEILING.....SET AND PULL
LR SPEED.....SET

Reaching LR Ceiling
A/THR.....ON

Descent to landing
RESUME MANAGED MODES

If obstacle : Continue Drift Down Procedure



PF

PNF

1. ENG 1 FAIL

DETECTION

FLIES THE AIRCRAFT

NAVIGATES ⇒ **LAND ASAP**...Short term decision

CONSIDER AUTOMATION USE

THRUST LEVERS.....MCT

A/THR.....OFF 

A/THR is set to OFF immediately to avoid thrust reduction to IDLE

ECAM ACTIONS

ECAM PROCEDURE

STOP ECAM actions when :



COMMUNICATES

Deceleration Not below Green Dot





STANDARD

No obstacle and time constraint

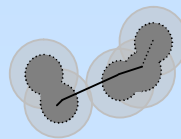
OBSTACLE

To ensure the margins over obstacles



FIXED SPEED

ETOPS constraint



*As established
before dispatch,
use:*

M.82 / 330 KT

Or

M.82 / 310 KT

PF

PNF

2. OBSTACLE STRATEGY



For descent :

GREEN DOT.....SET AND PULL

DRIFT DOWN CEILING ALT.....SET AND PULL

During descent to Drift Down Ceiling ...



➤ Thrust MCT

➤ Speed controlled by the elevator



Check GREEN DOT GROSS CEILING



REC MAX = EO LRC Ceiling

➤ EO CLR Prompt



DEST EO CLR*

if pressed, predictions revert to dual engine predictions

DAMAGE OR NO DAMAGE ?



CONSIDER ENGINE DAMAGE IF YOU NOTICE :

- High vibration prior to engine stopped, loud noise
- Stall
- Any Abnormal Indication on ENG Page (such as N1 or N2 ~ 0)

⇒ **No attempt of RELIGHT**