



### Safety Promotion Committee 2019 Edition

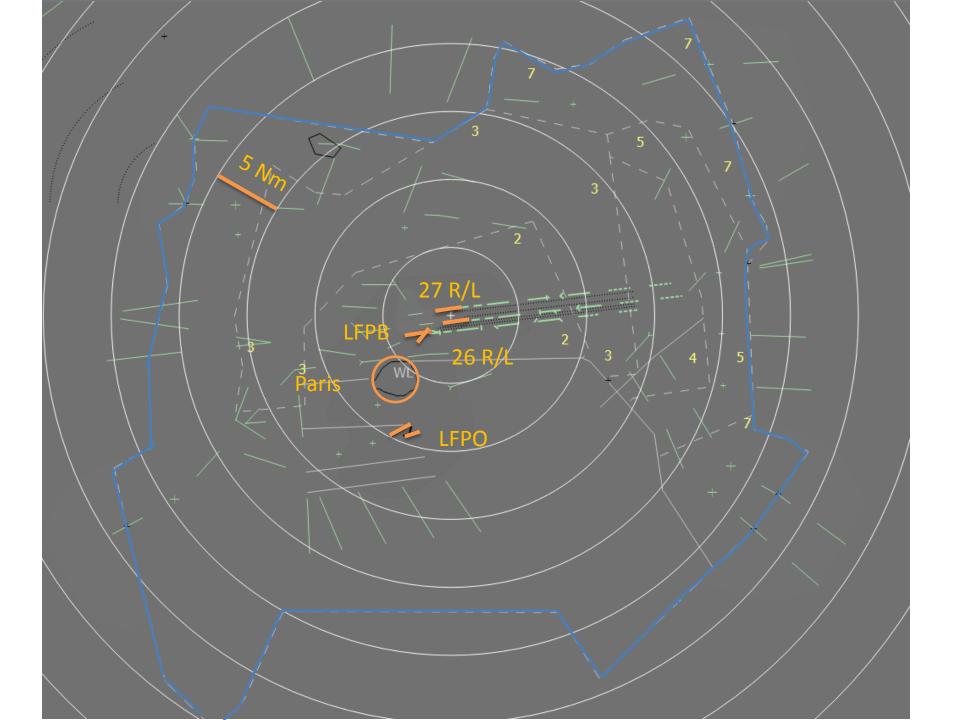
### ENERGY MANAGEMENT during approach at CDG

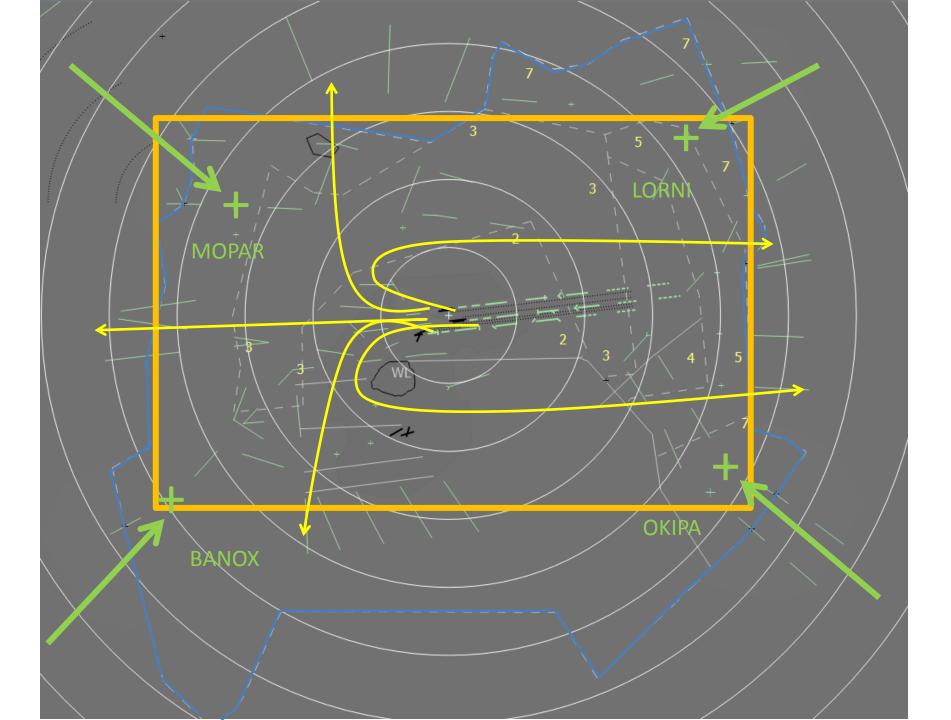
BIOL Cécile – Deputy Head – Safety Dpt AUGER Emilie – Deputy Head – Safety Dpt VINCENT Gaël – Deputy Head – Ops Dpt

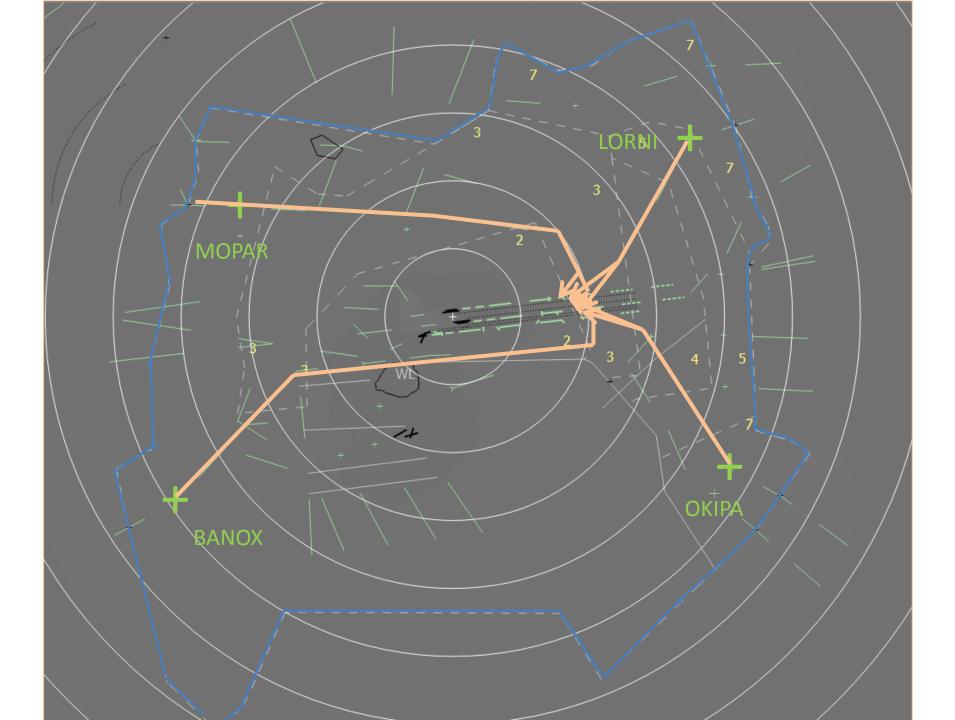


### **OUR AIRSPACE**









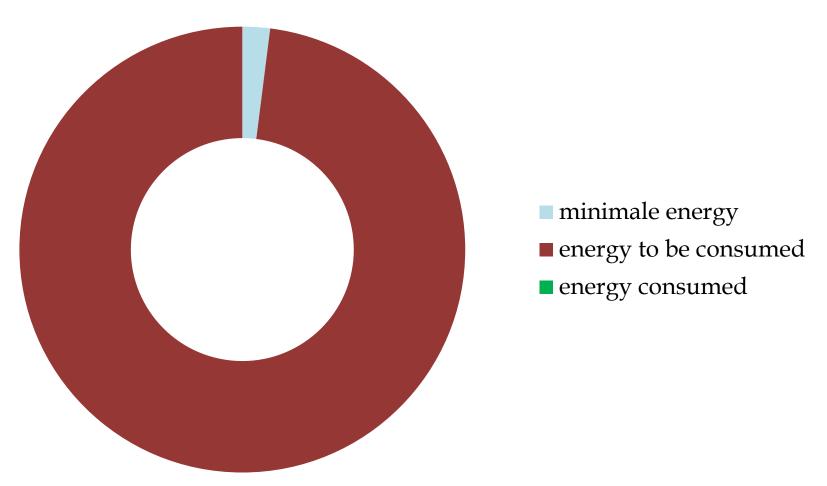




## ENERGY MANAGEMENT during Initial Approach

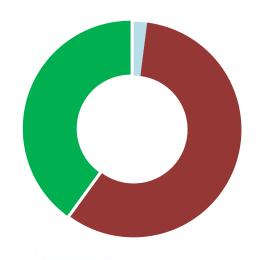


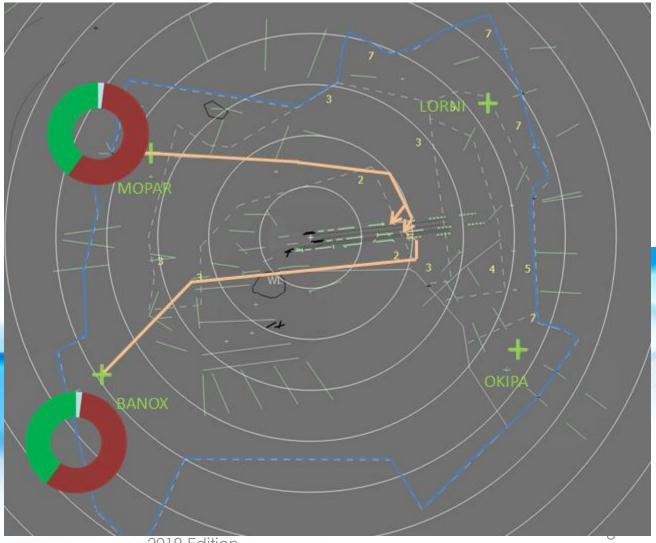
### During flight cruise





#### « Downwind » arrivals

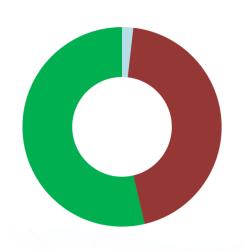


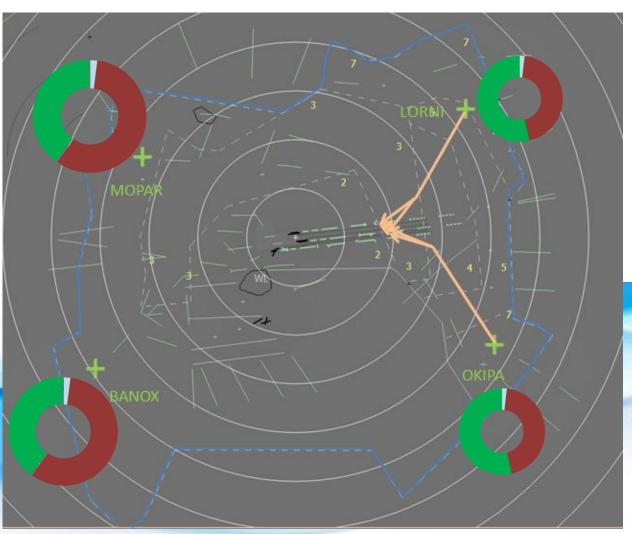






### « Base leg » arrivals







Glide interception







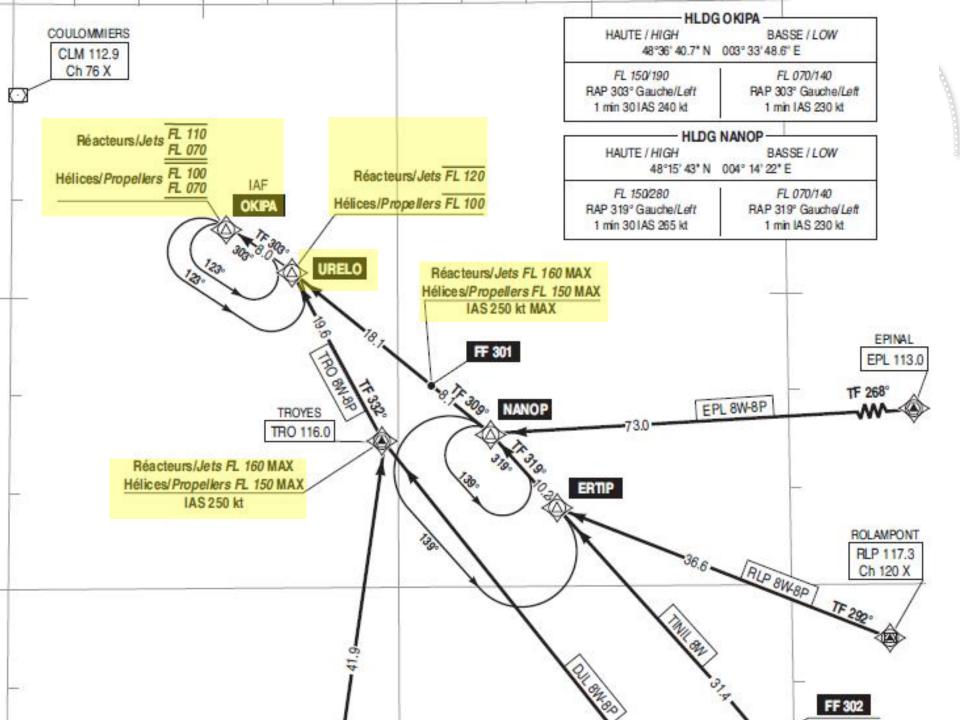
#### the example of OKIPA 5W arrival

### Respect of constraints at entry points



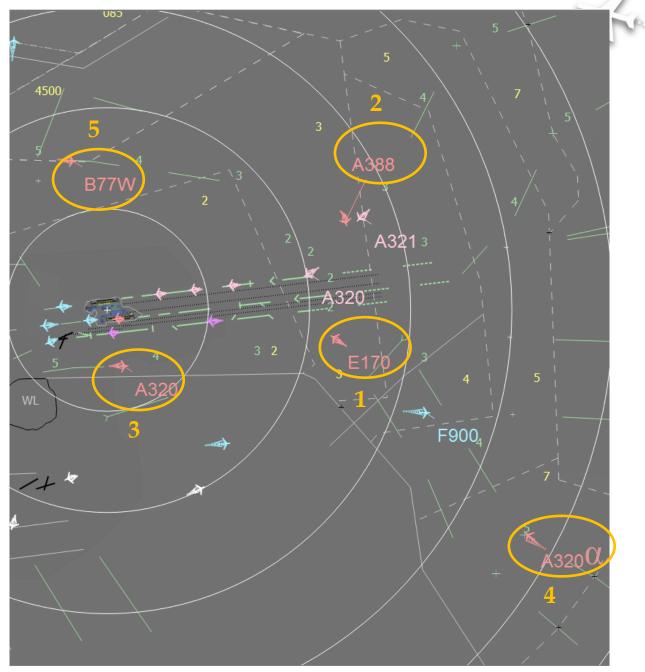






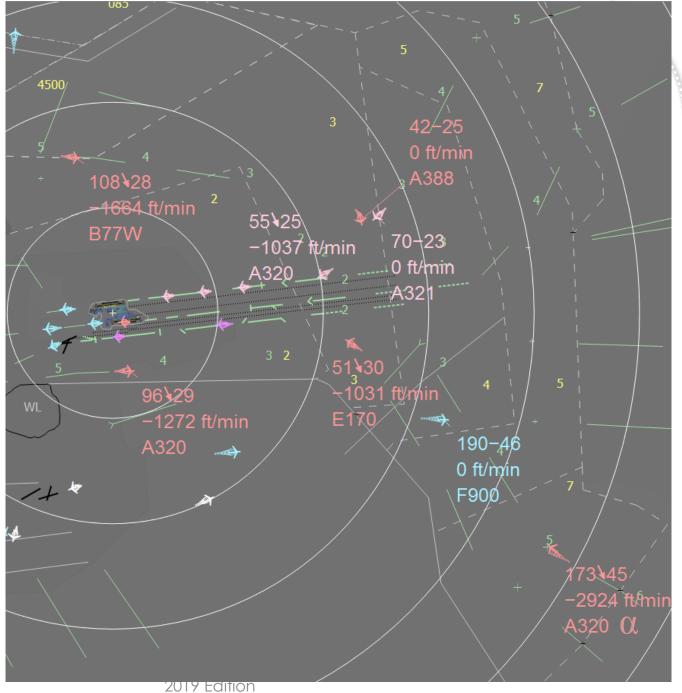


1<sup>st</sup> example



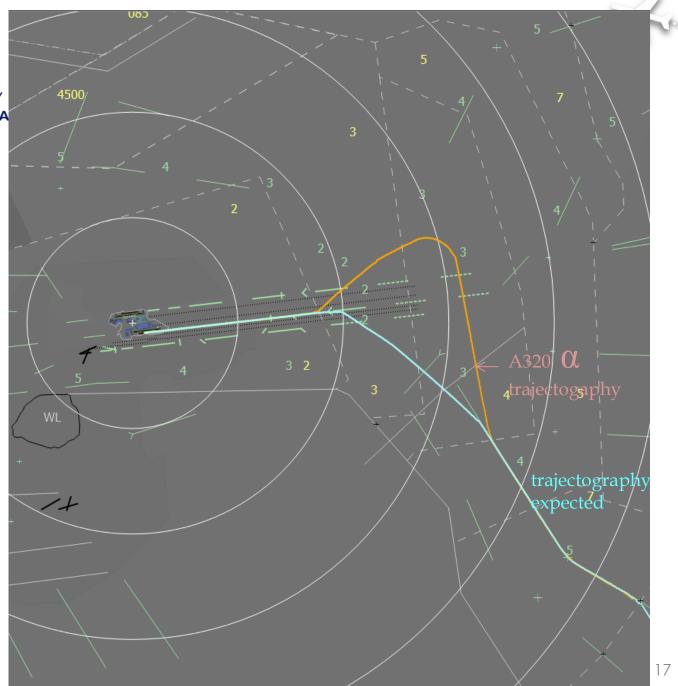


#### 1<sup>st</sup> example



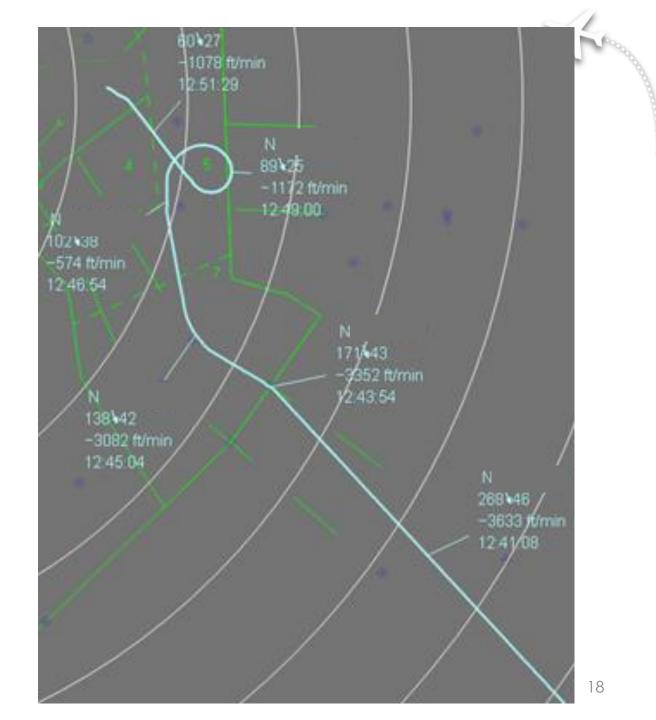


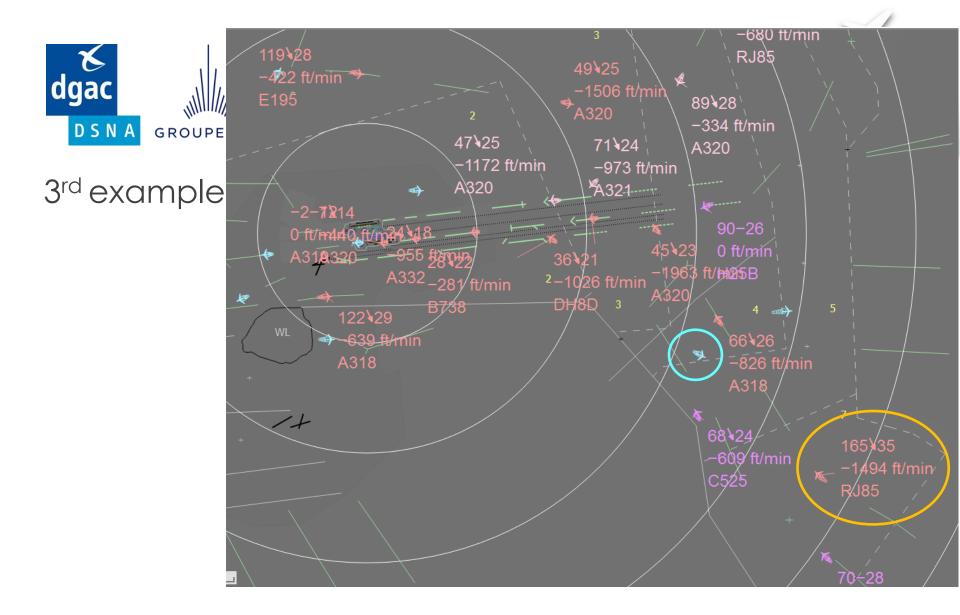
1<sup>st</sup> example





#### 2<sup>nd</sup> example







#### 3<sup>rd</sup> example





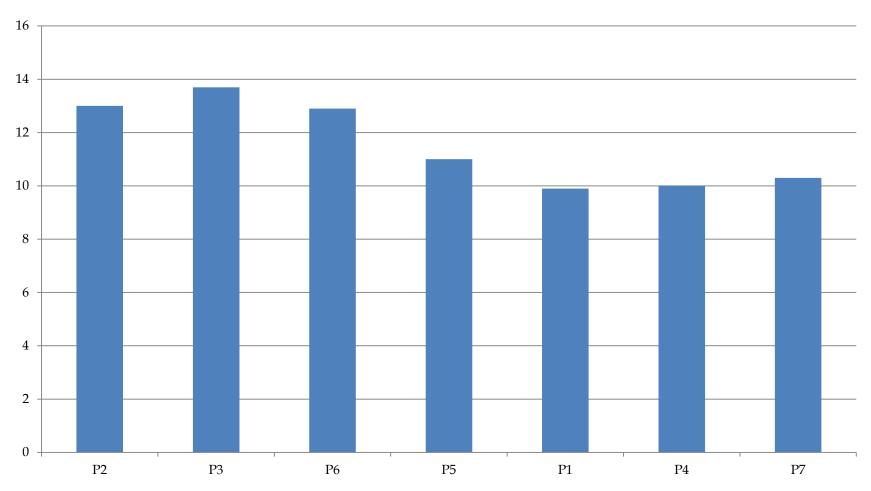






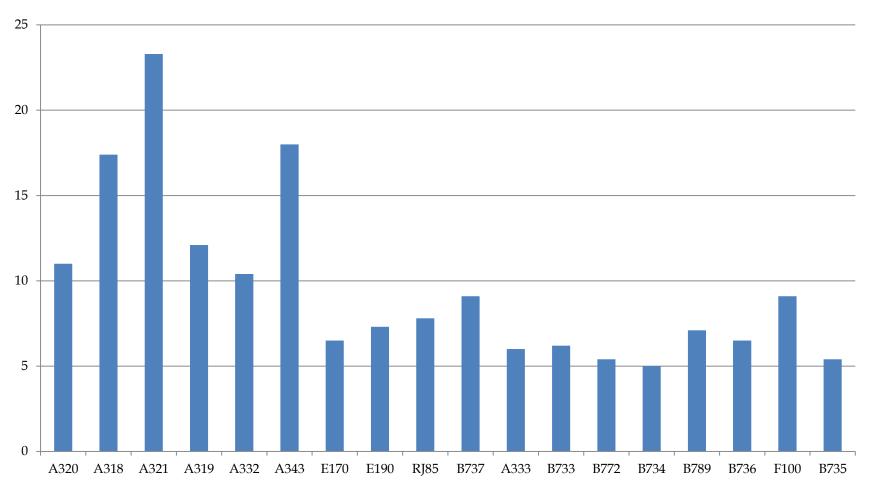


## Probability of too high arrivals by OKIPA depending on traffic peaks





#### Probability of too high arrivals by OKIPA according to aircraft type





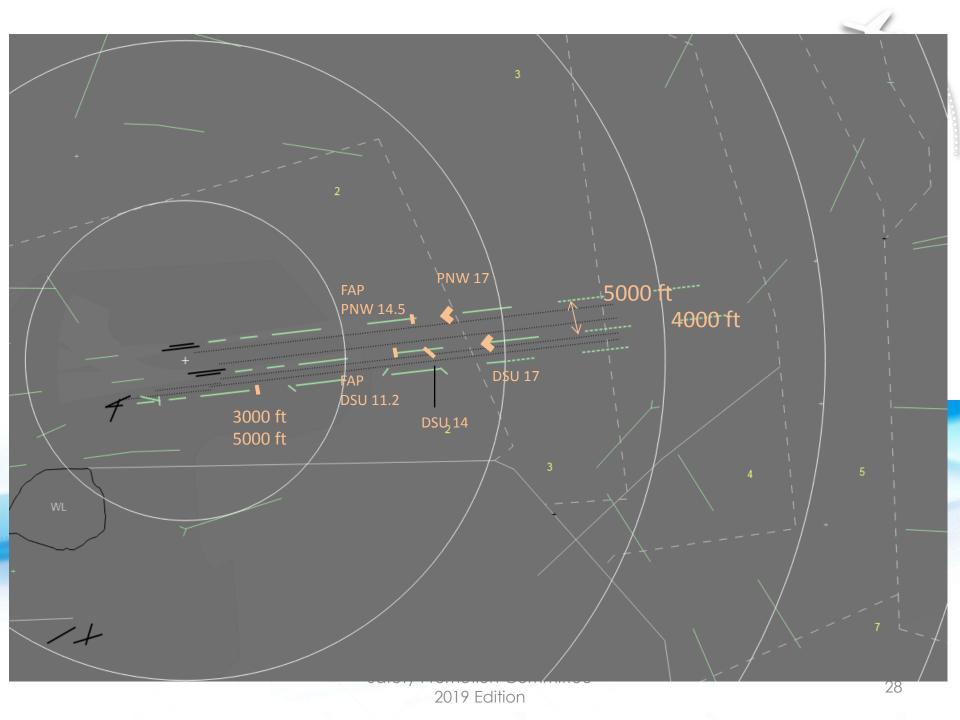




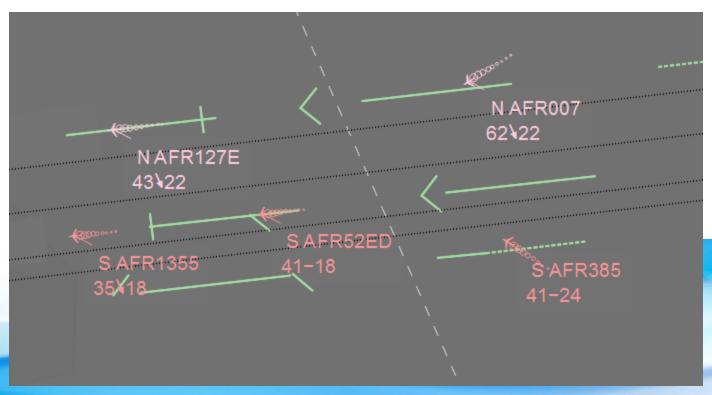


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# ENERGY MANAGEMENT during Intermediate Approach





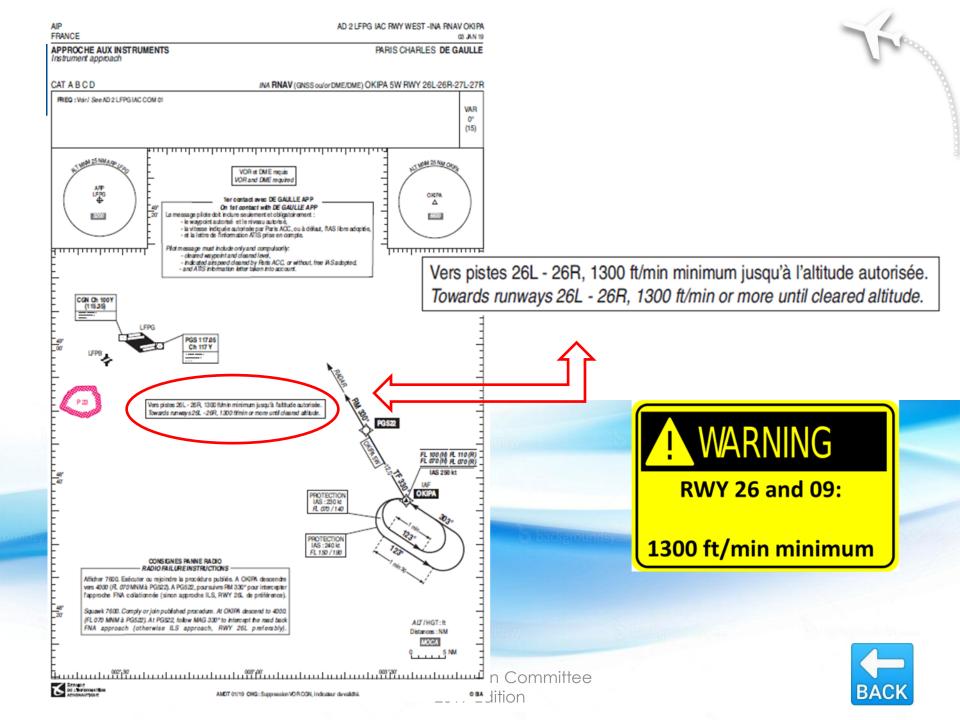


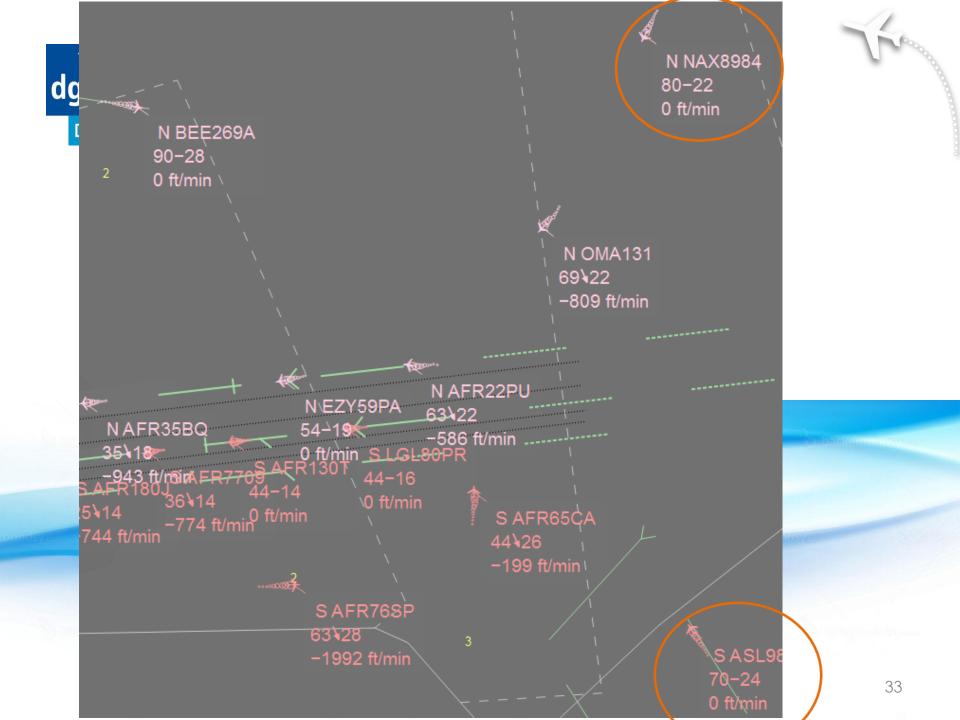




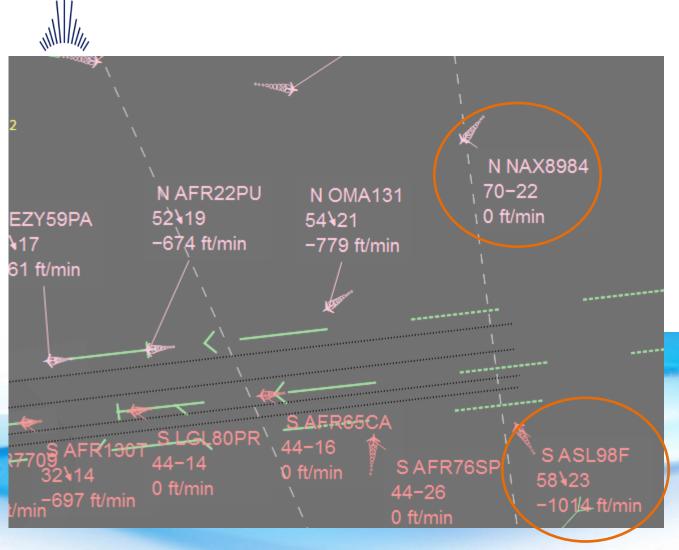
#### WHAT DOES THAT IMPLY?

- If buddy not low early, then mate high late
- <u>1300ft/min</u>
- Staggered descent for « upper ILS »
- No track miles for « lower ILS »
- Meaning of « short approach »?
- Descent to platform altitude even if « cleared ILS »



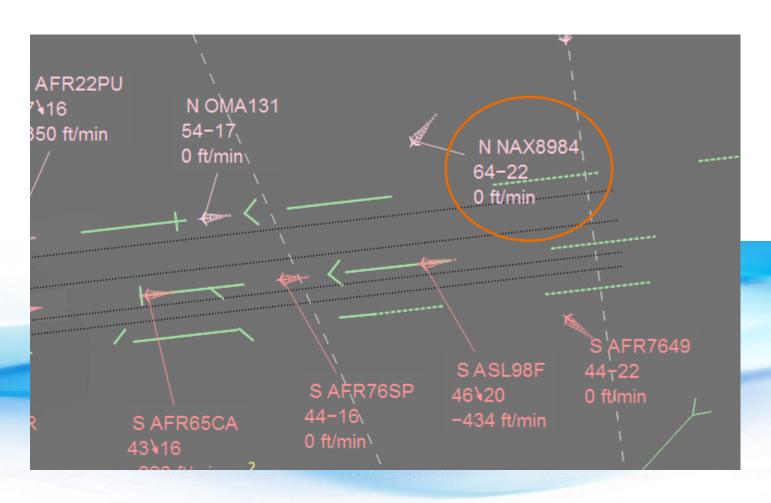






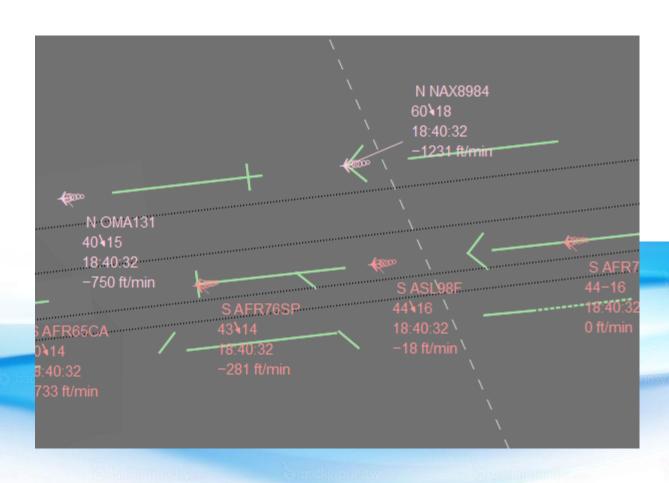


















## ENERGY MANAGEMENT Speed











