



Take off Briefing

v-rotate 69

v-y 76

blue line 82

any malfunction before rotate: **"STOP" – power OFF – brakes**

any malfunction and gear still down:

"RELAND" – reduce power – brakes after LDG

any malfunction and gear already up:

"take off continued"

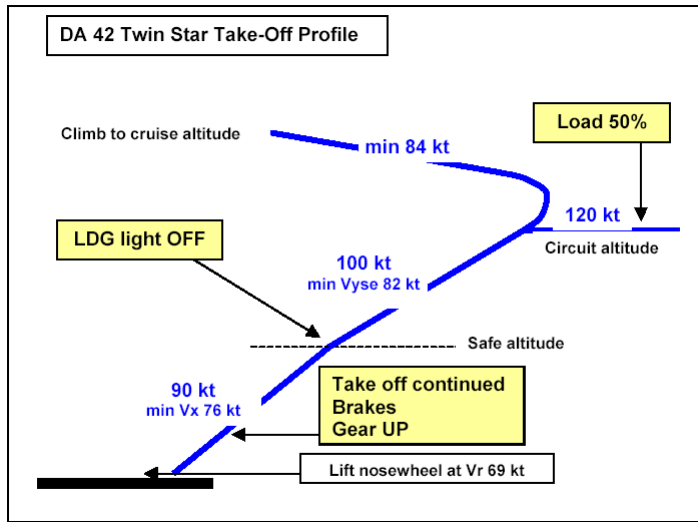
Continued take off:

**full power – minimum speed blue line – identify and verify failed engine
engine master OFF – alternator OFF – fuel selector OFF**

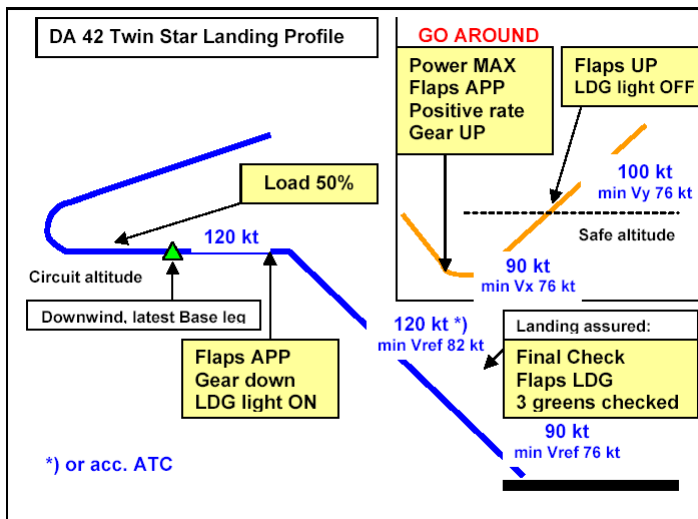
On ground emergency:

fuel selectors OFF – engine masters OFF – electric master OFF

Take off



Landing



Handling of Emergencies

„PPAA“

- **P**ower
- **P**erformance
- **A**nalysis
- **A**ction
- Max power
- Gear? Flaps?
Minimum speed?
- Identify engine
- Feather, shut
down

You remember the 3-5-4 Rule ?

- **3**: airspeed, ball, needle
- **5**: mixture, prop, throttle, gear, flaps
- **4**: identify, verify, feather, secure

Simplified for DA 42:

3 – 3 – 3 „Triple Three Rule“

- **3**: airspeed, ball, needle

Power

Performance

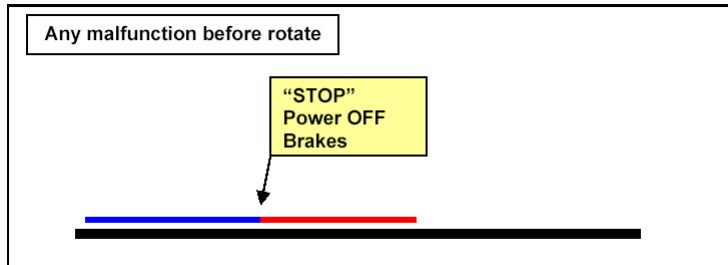
- **3**: power, gear, flaps

- **3**: identify, verify, shut down

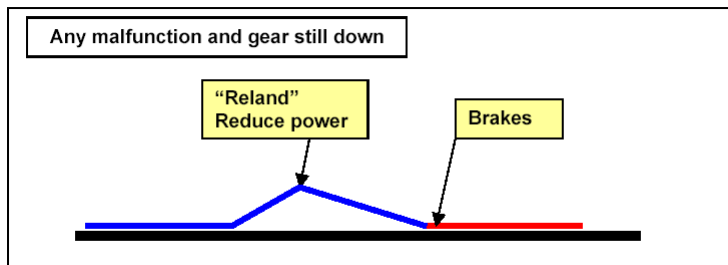
Analysis

Action

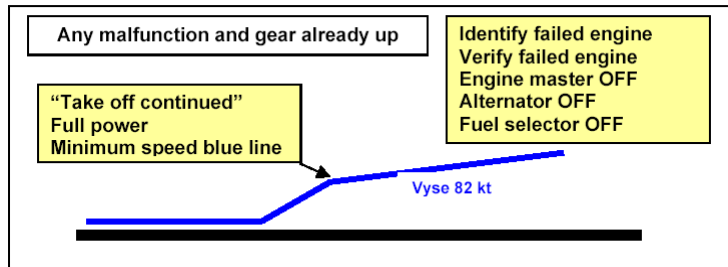
Take off Malfunctions



Take off Malfunctions



Take off Malfunctions



1-engine Approach

