





Captain Tony Griggs





What does a SAR platform need to be effective?

- **≻**Good solid information....
- **≻Timely**
- >Accurate
- >Up to date
- >Where, when, how, who, what.
- > Aircrew capability.
- > Aircraft capability
- >SAR Co-ordination
- > Back up (additional resources)
- >Top cover



> CHALLENGES

- **≻Information**
- **≻Night**
- **≻**Weather
- >DA
- ➤ Surface/surrounding terrain & obstacles
- **➢ Distance**
- **Number & weight of survivors**
- > Aircraft & crew limitations
- >Human factors
- **>**Endurance

بيرطة أبوظي جنساح الجسو AIR WING

SAFELY WINCHING TO SAFETY

In flight search considerations

- √Type of target size, shape, colour, contrast, movement.
- ✓ **Met visibility** slant viz, rain, snow, fog, haze
- **√Sea conditions** sea state, swell
- ✓ Altitude should generally aim for as low as practicable
- ✓ Position of sun / moon optimum with sun behind, moon ahead
- √ Lookouts number, level of experience
- ✓ Day / Night flares, smokes, dyes, heliograph, lights
- **√Fatigue** how intensive is the search
- **√Shadows**



KEY OPERATIONAL CONSIDERATIONS

How far is it to the datum/location, plot it, any datum error.



- What are the MET conditions, here, there and en-route.
- Is the incident at a precise location or is a search required.
- For arrival on scene; if search required, what type would be best.
- What are the details of the incident/accident, how many casualties.
- Are additional specialists like doctors, divers or mountain rescue teams required.
- Is additional specialist equipment required.
- What other assets are available on scene.
- How long do I need to effect a rescue if found (FUEL...FUEL...FUEL!!!)
- Where are the survivors to be taken, do I need to make "ferry" trips.
- On completion, where do I recover to, is the crew still fit to remain on duty.

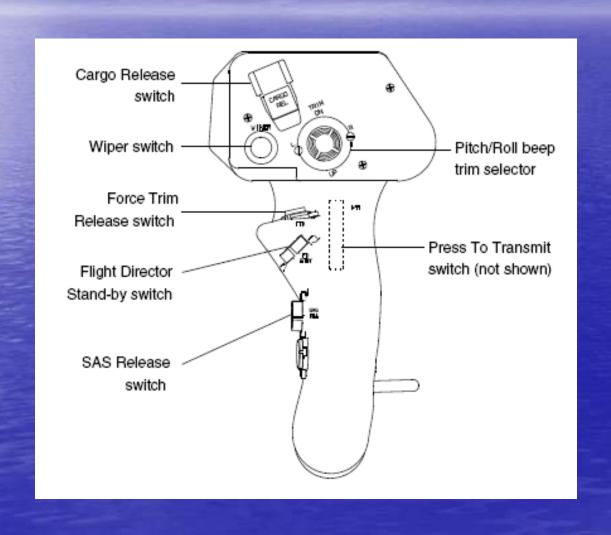


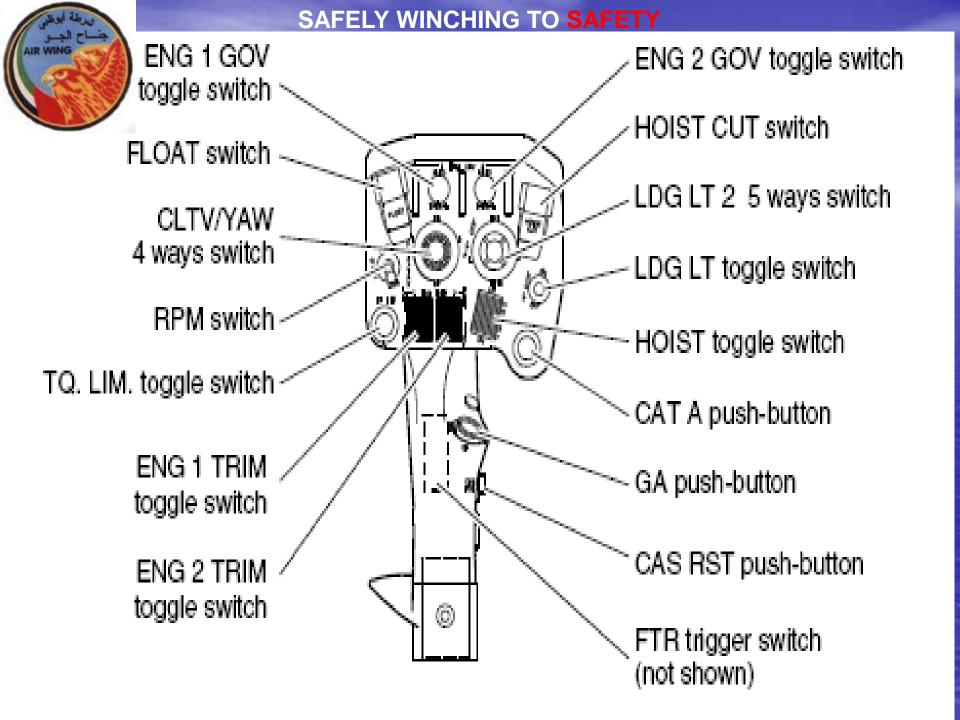






Pilot Cylic grip













Collective engaged

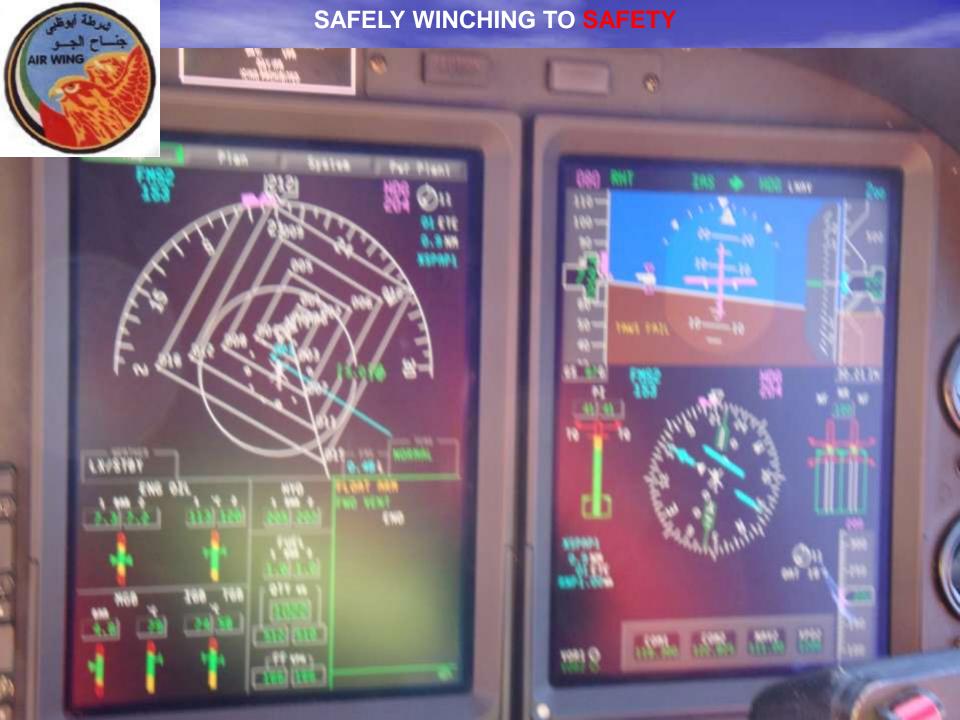
0 Speed Ref



Roll engaged

Pitch engaged

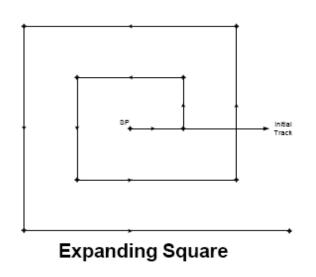
Rad Alt Ref

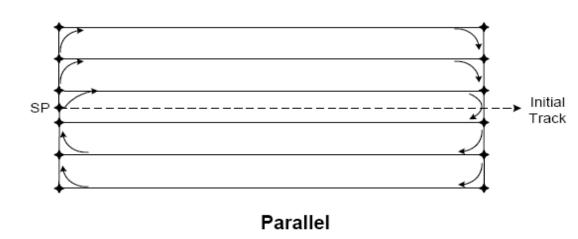


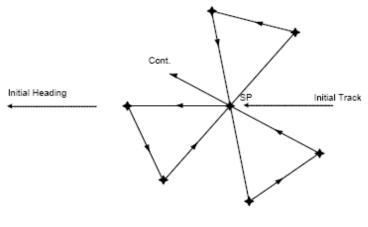


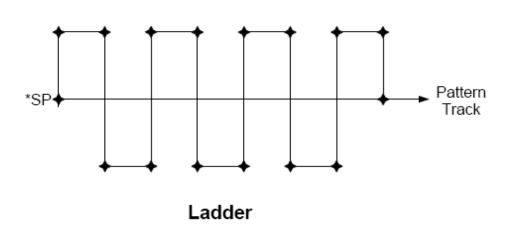


Search Patterns









Sector







