

TAKEOFF EMERGENCIES

Dan Cook SAC Safety Officer

- 1) Rope Break
- 2) Canopy not locked
- 3) A control not connected
- 4) Wing drop (ground loop)
- 5) Air brakes opening
- 6) Flaps in wrong position
- 7) Towplane power failure
- 8) Tow speed too fast or too slow
- 9) Being towed too far downwind
- 10) Controls hooked up backwards
- 11) Tire blow out
- 12) Tow rope will not release
- 13) Glider becomes too high on tow
- 14) Someone moves onto the runway
- 15) Tow rope catches on something at beginning of launch
- 16) Slack rope / rope wrapping around glider
- 17) Improperly installed component
- 18) PIO (Pilot Induced Oscillations)
- 19) Frozen controls
- 20) Turbulence
- 21) IMC (Instrument Meteorological Conditions)

- 22) Inability to recover from low tow position
- 23) Knot in towrope
- 24) Overrunning the tow rope
- 25) Traffic conflict / mid-air collision
- 26) Wing runner error
- 27) Airspeed indicator not working
- 28) Altimeter not adjusted properly
- 29) Tail chute opens
- 30) Water ballast disconnects and spills into cockpit
- 31) Snake / Bee / Wasp in the cockpit
- 32) Unbalanced water ballast in wings
- 33) Seat belts undone
- 34) Pitot / Static ports clogged
- 35) Smoke in the cockpit
- 36) Panicky passenger
- 37) Pillows / seat ballast moves
- 38) Controls restricted (control locks, rudder pedals too far forward)
- 39) Tail dolly on
- 40) Canopy fogs up
- 41) CG out of limits – maybe due to water or ice collected in the tail