



Svenska Fallskärmsförbundets flygsäkerhetshöjande arbeten 2021



Svenska Fallskärmsförbundet



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Fallskärmshoppning i Sverige

- 1400 medlemmar
- 17 aktiva fallskärmsklubbar
- 75 - 100 000 hopp per år
 - ❖ 6 500 tandemhopp
 - ❖ 2 400 elevhopp



Delegering från Transportstyrelsen



Statens Haverikommission

– slutrapport flygolyckan i Umeå 2019

4. SÄKERHETSREKOMMENDATIONER

Transportstyrelsen rekommenderas att:

- I sin tillsynsverksamhet verka för att ändamålsenliga lastinstruktioner eller motsvarande finns och tillämpas vid flygningar inom fallskärmsoperationer (se avsnitt 2.8). (RL 2020:08 R3)
- Med hjälp av SFF vidta åtgärder i syfte att säkerställa att licensierade fallskärmshoppare har tillräckliga kunskaper om luftfartygs massa och balans och flygoperativa konsekvenser vid förflyttning i luftfartyget och att piloten/befälhavaren får det stöd som är nödvändigt för att de regler som gäller för flygningen upprätthålls (se avsnitt 2.9). (RL 2020:08 R4)



SFF flygsäkerhetshöjande åtg. 2021 – hoppare

- Utbildning under samtliga förbundsinstruktörskurser
- Utbildning under klubbarnas *Safety Day* för alla hoppare
- Utbildning under klubbarnas elevutbildningar
- Skyltar/markeringar/bilder i flygplanen
- Tydlighet i ansvarsfördelning Pilot – Hoppare (Liftchef)
- Levande aktiv sund säkerhetskultur



Statens Haverikommission

– slutrapport flygolyckan i Umeå 2019

4. SÄKERHETSREKOMMENDATIONER

EASA rekommenderas att:

- Överväga att införa en formell utbildning för piloter som bedriver flygningar inom fallskärmsoperationer (se avsnitt 2.7).
(RL 2020:08 R1)
- Se över rutinerna för godkännanden av massa- och balansunderlag vid certifiering av luftfartyg godkända för fallskärmsoperationer (se avsnitt 2.6.3). (RL 2020:08 R2)



Svenska Fallskärmsförbundets flygsäkerhetshöjande åtgärder 2021

- ✓ SFF pilotmöte
- ✓ Ändamålsenliga lastinstruktioner
(verktyg för beräkning av *Massa & Balans*)
- Utbildning flyginstruktörer
- Formell flygutbildning - Jump Pilot
 - Training Manuals NEW PILOT
 - Training manual NEW AIRCRAFT
- Recurrent Jump Pilot Training

- ❖ *Restriktioner Covid-19 försvårade genomförande
– aktiviteter flyttas till 2022*



SFF åtg. 2021 stöd AFST

- SFF pilotmöte (digitalt)
- Jump Pilot – Training Manuals
 - New Pilot
 - New Aircraft
- Recurrent Jump Pilot Training



TRAINING MANUAL JUMP - PILOT



For new JUMP pilot

- Min 200 hours to start the training
- Min 8 hours training and at least 20 loads with instructor if together with check new aircraft version / class / type, all items in this syllabus must be covered.
- Min 5 hours training/20 loads with instructor if already checked out on aircraft all items **high lighted** in YELLOW must be covered and sign for.

For "experienced" JUMP pilot, see syllabus: "Jump – Pilot, New Aircraft"

- New aircraft version / class / type, after skill test: **Min 10 loads with instructor**
- The PARA FI may decide which items to cover from within this syllabus, both regarding ground school and flight training, however; all items highlighted in **YELLOW** must be covered and signed for.



TRAINING MANUAL JUMP – PILOT, NEW AIRCRAFT



For "old" JUMP pilot

- New aircraft type, after skill test: **Min 10 loads with instructor**,
- The PARA FI may decide which items to cover from within this syllabus, both regarding ground school and flight training, however; all items highlighted in **YELLOW** must be covered and signed for.

For new JUMP pilot, See syllabus "NEW JUMP PILOT"

- Min 200 hours to start the training
- Min 8 hours training and at least 20 loads with instructor if together with check new aircraft type
- Min 5 hours training/20 loads with instructor if already checked out on aircraft

SFF Recurrent, Jump-Pilot Flight Training 2021

Name _____ Date _____

License Rating/Medical OK Notes _____

Aircraft Type _____ Reg _____

Recurrent training 2021	Performed date
Objectives: Practice Normal and non-normal PARA operation, spotting technique, use of nav equipment, cooperation with lift-chief, simulated emergencies, aborting dropping, descending with jumpers onboard, landing with full load.	Off block _____ Off ground _____ On ground _____ On block _____ Flight time _____ Landings _____
Planning: Normal PARA operation, calculation of T/O and landing performance	
Preflight: Check of mass and balance, required fuel, weather	

Content:	Comments:
1: Check of area for QEG start, coordination with ground crew, normal and non-normal starting, radio check, initial taxi, consideration of a/c position for loading, report from lift-chief, check of mass and balance.	
2: Line-up and take-off, checklist items, mental review of QEG fail procedure, go/stop, wind direction in case of fire, dep clearance, a/c/rv. new settings, next com frst?	
3: Initial climb, mental review: where to go in case of QEG fail, power setting, noise, clean-up, speed, coordinated flight, flying profile for first drop.	
4: Approaching altitude and final track, clearance to drop, distance, speed, configuration, power setting, at "green light" anticipate trim changes, steady flying; heading, speed/altitude and wings level, if climbing to new altitude: power, clean-up, speed and attitude, trimming.	
5: As 4. above, drop completed, prepare for descend, closing jump door, power setting, speed. Flight profile for descending, engine temp monitoring, look out for other traffic and wingtips; high parachutes.	
6: Drop aborted, descending with a full load, tandem, students, cyress, cooperation with lift chief and jump leader, landing, taxi, engine shut down, de-embarkation.	
7: Practice with experienced jumpers only: Simulated emergency on ground, on pilot's order only; EMERGENCY-OPEN SEAT/BELT-GET OUT!	
8: Practice with experienced jumpers only: Simulated engine failure after T/O, (safe altitude but below 1000 ft / 300 m), Pilot's order: REMAIN SEATED-WE ARE LANDING!	
9: Practice with experienced jumpers only: Simulated engine failure at altitude. Pilot's order: REMAIN SEATED! Memory items: performed and heading to a landing area: WE WILL GLIDE TO...! Then: "green light" or order: OPEN SEAT BELT-GET OUT!	

Advisory notes:

Postflight:

Req. Standard:

Instructor _____ Student _____





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