

# *CFI Bootcamp*

*Flight Instructor Training*



Regulations

# Flying With Passengers

## Legal and Ethical Obligations

## Today's Bootcamp+ Network Programming

### What's on for Today?



Live Show – 1<sup>st</sup> Hour – Wings Credit  
Open Mic – 2<sup>nd</sup> Hour – End  
Monitor the Chat – Links/Info  
Wings Credit - End of the Live Show

## Today's Bootcamp+ Network Programming

### What's New?



PH Rebroadcasts Wed – 8 pm EDT  
Power Hour Podcasts – Full shows  
CFI Knowledge Gaps Course and CFI  
Smart Study Pro

# It's More Complicated than You Think

- Regulations require the pilot to do certain things
- Briefings need to be tailored to the airplane flown
- Separate safety briefings from good to know points
- We also may need to do a crew briefing
- Don't forget to consider Ethics



# Regulations to Integrate into a Passenger Brief

- 91.105 – Flight crew member at stations (Use of seatbelts/harnesses)
  - Must be used during takeoff and landing
  - At all times when at a crew member station
  - May leave to perform necessary airplane functions or physiological needs



# Regulations to Integrate into a Passenger Brief

- 91.107 – Use of safety belts, shoulder harnesses and child restraints
  - Passenger brief must be complete before takeoff
  - Pilot ensures seatbelts/harnesses properly secured during movement takeoff and landing
  - A child under two years old may be held

**PASSENGER SAFETY BRIEFING**  
Cessna 172S Skyhawk • General Aviation • FAR Part 91

Required by 14 CFR §91.107, §91.111, §91.117  
Read carefully before flight - Read for reference

SEAT BELTS	SHOULDER HARNESS	CHILD RESTRAINTS	SEATING & LOADING	SAFETY & EMERGENCY								
<p>Required for ALL occupants</p> <p>14 CFR §91.107   FAR §91.401</p> <p><b>FASTEN LAP BELT</b></p> <p><b>INSERT &amp; CLICK TO LATCH</b></p> <p><b>PRESS RED BUTTON TO RELEASE</b></p> <p><b>MANDATORY</b> All occupants MUST wear seat belts during takeoff &amp; landing.</p> <p><b>KEEP FASTENED</b> We recommend keeping your seat belt fastened throughout the entire flight.</p>	<p>Front seats equipped</p> <p>14 CFR §91.107(b)   §91.106</p> <p><b>LAP &amp; SHOULDER HARNESS</b></p> <ul style="list-style-type: none"> <li>Route diagonal strap from left shoulder across to right hip</li> <li>Insert into single buckle</li> <li>Push up belt snug tight</li> <li>Then tighten shoulder strap</li> </ul> <p><b>FRONT SEAT OCCUPANTS MUST USE SHOULDER HARNESS</b> during takeoff, landing &amp; flight operations when installed. <b>NO DOWNSLEEPING</b></p> <p><b>REAR SEATS</b> Lap belt only. No shoulder harness in rear positions.</p>	<p>Child Restraint Seats</p> <p>14 CFR §91.107(b)(2)   AC 91.11A</p> <p><b>FAA-APPROVED CHILD RESTRAINT SYSTEM (CRS)</b></p> <p><b>AGE / WEIGHT GUIDE</b></p> <table border="1"> <tr> <td>Under 2 yrs</td> <td>Forward-facing CRS</td> </tr> <tr> <td>2 - 4 yrs</td> <td>Forward-facing CRS</td> </tr> <tr> <td>4 - 8 yrs</td> <td>Forward-facing CRS</td> </tr> <tr> <td>8+ yrs</td> <td>Aircraft lap seat</td> </tr> </table> <p><b>CHILDREN UNDER AGE 2 MUST USE APPROVED CRS</b> If one is available on board. CRS must be FAA-DOT approved.</p>	Under 2 yrs	Forward-facing CRS	2 - 4 yrs	Forward-facing CRS	4 - 8 yrs	Forward-facing CRS	8+ yrs	Aircraft lap seat	<p>Weight &amp; Balance</p> <p>14 CFR §91.9   POH Section 6</p> <p><b>PILOT FRONT</b></p> <p><b>SEATS</b></p> <p><b>C172S - 4 SEATS TOTAL</b></p> <p><b>WEIGHT &amp; BALANCE</b> Max Gross: 2,550 lbs Baggage Area A: 100 lbs max Baggage Area B: 50 lbs max</p> <ul style="list-style-type: none"> <li>Remains seated with belt on</li> <li>strapping all seat, T.O. &amp; landing</li> <li>Show all loose items securely</li> <li>before engine start</li> <li>Adjust seat position <b>BEFORE</b></li> <li>engine start - <b>NO TILT</b></li> </ul> <p><b>ONE SEAT = ONE PERSON</b> No sharing seats. Children must occupy their own seat.</p>	<p>14 CFR §91.107   §61.113</p> <p><b>DOOR OPERATION</b> Pull handle UP &amp; hold until the signs "Push door firmly closed and lock" flash. <b>Do NOT</b> open the flight deck door until the signs flash.</p> <p><b>NO DRINKS</b></p> <p><b>NO HANDHELD ELECTRONICS</b></p> <p><b>FIRE ON GROUND</b> Call emergency services (911) at once.</p> <p><b>INFLIGHT CONCERN</b> Aural call chime. Stay seated, belt on.</p> <p><b>EMERGENCY LANDING</b> Brake, set flaps, hold down, arms crossed.</p> <p><b>AFTER LANDING</b> Exit only when told to do so - stay low.</p> <p><b>PILOT BRIEFING</b> Your pilot will provide a preflight safety briefing per 14 CFR §91.107.</p>
Under 2 yrs	Forward-facing CRS											
2 - 4 yrs	Forward-facing CRS											
4 - 8 yrs	Forward-facing CRS											
8+ yrs	Aircraft lap seat											

CFI Bootcamp • Palo Alto Airport (KPAO) • Cessna 172S/N-Series • For use under 14 CFR Part 91

# Regulations to Integrate into a Passenger Brief

- 61.113(c) – Sharing expenses
  - Pro rate share - Equal



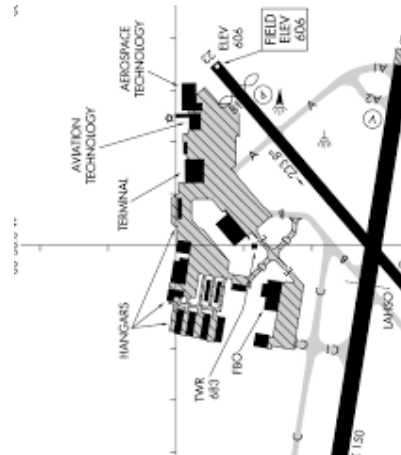
# Regulations to Integrate into a Passenger Brief

- 91.17(b) – Can't board an intoxicated or under the influence of drugs passenger
  - Except in an emergency
  - If under medical care



# No Regulations But Should Always be Done

- Pre Departure
  - Length of the leg – bathroom breaks
  - Route and expected weather
  - Sterile cockpit guidelines
  - Movement and Non Movement Areas



# No Regulations But Should Always be Done

- After Boarding
  - Operation of doors and windows
  - How to use seatbelts and shoulder harness
  - When seatbelts/harnesses must be worn. (Taxi, Takeoff, Landing, and when instructed)
  - Location of all exits including the baggage door



# No Regulations But Should Always be Done

- After Boarding
  - Location of the fire extinguisher and how to use it
  - Location of the first aid kit
  - Use of oxygen equipment
  - Meeting point in the event of an off field or emergency landing



# No Regulations But Should Always be Done

- After Boarding
  - Pointing out traffic – Clock code
  - If anything doesn't look or sound right – say something



# Using the Preflight as a Briefing Opportunity

- Include your passengers into your walk around preflight
  - Give instructions on how to open/close doors and windows
  - Location of the baggage door
  - Location of emergency equipment
  - Keeping away from the propeller



# No Regulations But Should Always be Done

- Crew Briefing (Includes Self Briefing)
  - Who is the PIC
  - Route and risk mitigation
  - Weather and alternatives
  - Fuel quantity

# No Regulations But Should Always be Done

- Crew Briefing (Includes Self Briefing)
  - Condition of the passengers
  - Performance calculations
  - Takeoff briefing – Unique to each airport/airplane



# No Regulations But Should Always be Done

- Ethics
  - Don't intentionally frighten passengers
  - Don't fly in a manner outside normal, non-training flight regimes
  - Brief passengers on expected weather and turbulence



# No Regulations But Should Always be Done

- Ethics
  - Ensure all passengers agree to each aspect of the flight
  - Ensure each passenger knows what they will pay before a flight

# Make your own passenger briefing card

<b>WELCOME ABOARD</b> 	
<p>Safety is absolutely my number one priority for every flight I do. By reading and complying with these few items, we can ensure a safe and enjoyable flight!</p> 	<p>Regulations REQUIRE that you keep your seatbelts and shoulder harnesses fastened during taxi, takeoff, and landing. But, I recommend keeping them fastened the whole time.</p> 
<p>We are flying under VFR today, which means we're responsible for seeing other airplanes. If you see any other airplanes, don't hesitate to point them out!</p> 	<p>Both of us should ALWAYS know who's flying the airplane, so we use something called the positive exchange of controls. If I say "you have control," you'll repeat it back, and vice versa.</p> 
<p>Please remember that I am the Pilot in Command at all times. If I give directions, please comply with them immediately and understand that it's all for safety!</p> 	<p>It's very important to hear directions, so I request you refrain from unrelated conversation during critical phases of flight like taxi, takeoff, approach, and landing.</p> 
<p>Please make sure your bags and personal belongings are secure or stowed, and they do not interfere with the flight controls on the airplane.</p> 	<p>Please familiarize yourself with the layout of the airplane in case of an emergency, like the exits, air vents, fire extinguisher, etc. I'll go over these with you.</p> 

## Special Announcement!

## Reminders!



CFI Study Group on FaceBook



National Association of  
Flight Instructors

***Join SAFE, NAFI and the CFI Study Group by Clicking on the Images Above***

**CFI Bootcamp**  
Flight Instructor Training