CloudFlyt
Quick Setup Guide

Connecting the Nvidia Shield and CH SimYoke&ProPedals

INITIAL INSTALLATION

1) Connect the Nvidia Shield to your TV with the HDMI cable
2) Plug in the Nvidia Shield, use the wireless remote for navigating
3) Select the correct HDMI input on your TV
4) Connect to the Internet via Ethernet (preferred)
or 5G (802.11ac) WiFi Network
5) Sign in to your Google Account (@gmail.com)
6) Launch “Google PlayStore”, search for “CloudFlyt”
7) Install the “CloudFlyt” application and launch it
8) When propmted, plug in the CH Products SimYoke and ProPedals to the USB sockets, for each check the box and select “OK”
9) Select “Sign In” and enter your CloudFlyrs Club username and password
10) Check the box and read the Terms & Conditions, select “Start”
11) Review the training missions and select one
12) Some missions allow selecting the aircraft, airport, weather, time of day and season.
13) Launch your mission with “Begin Mission”
14) Review the mission briefing and enjoy your flying!

DURING YOUR MISSION

1) Refer to the “Controls Quick Guide” to use the CH SimYoke
2) Tap the “back” button on the remote to pause the mission
3) Choose “Change Mission” or “Sign Out” when you are finished
4) After 5 minutes of inactivity, you will be signed out automatically

EACH TIME YOU FLY

1) Tap a button on the remote to wake up the Shield
2) Launch the “CloudFlyt” App
3) Select your Username
4) Select a Training Mission and Fly

Nvidia Shield Remote Control

CloudFlyt
Controls Quick Guide

Refer to the illustration for more detail

CH PRODUCTS SIMYOKE

Right Hat – **Peek** Left/Right/Down/Toggle "Sit Back" view
Right Rocker Left/Right – **Turn Head** Left/Right, Snap to Center

Right Trigger – **Next View =** Following/No Cockpit/Right Wing

Left Trigger – **ATC** "push-to-talk"
ATC push-to-talk button
- Tap to pop-up ATC Menu
- Left Red Buttons for up/down through the menu choices
- Hold PTT to activate Menu Choice and talk to ATC
- Tap Right Hat to clear ATC Menu

Yoke Full Forward and press both brakes to set **Parking Brake**
Tap brakes to release **Parking Brake**

Pop-up panels
Left Rocker Left – pop up switch panel selector
Left Rocker Left – pop up radio/PFD panel selector, again for GPS

Switch Panel, Radio Panel, GPS Panel Active
Right Hat – moves the "yellow box" navigator to each switch or knob
Right Rocker Left/Right – switch on/off or knob left/right

Toggle Switches – Left **Gear** Up/Down, Right **Flaps** Up/Down

CloudFlyt
Training Missions

Not to be used for flight - always refer to POH/Supplemental POH

Intro to CloudFlyt
Review the controls on-screen and free-flight

VFR Missions
Taxiing – Start at KCCR ramp and start the C172 and get a taxi clearance from ATC, follow the taxi clearance and take off.

Traffic Pattern – Start at KRHV 31L, get a clearance and make left traffic. Look out for obstructions on the runway!

Cross-wind landing – Start on short final to KHWD 28L with a strong cross wind.

IFR Missions
Instrument approach into KSTS
Instrument approach into KSTS, G1000

EMERGENCIES
Inadvertent VFR into IMC
The Impossible Turn

VARIOUS AIRCRAFT
Beechcraft Bonanza A36 & Piper J3 Cub – Coming soon!

TRUE COURSE SIMULATIONS
Selected training missions from True Course Simulations
Ray Bedard, professor at ERAU Prescott, Arizona

101 Level flight
304 Normal Take Off
307 Crosswind Landing
401 Traffic Pattern – no wind
502 Forced landing – power off to airport
609 Tracking VORs and Introduction to GPS
701 Climbing and Descending Turns

CloudFlyt
Taxiing Mission

Not to be used for flight - always refer to POH/Supplemental POH

Airport: KCCR **Aircraft:** Cessna 172SP

Starting Situation: KCCR GA ramp, cold airplane

Clearance: Taxi to Runway 19R via Kilo, Alpha, Alpha-1

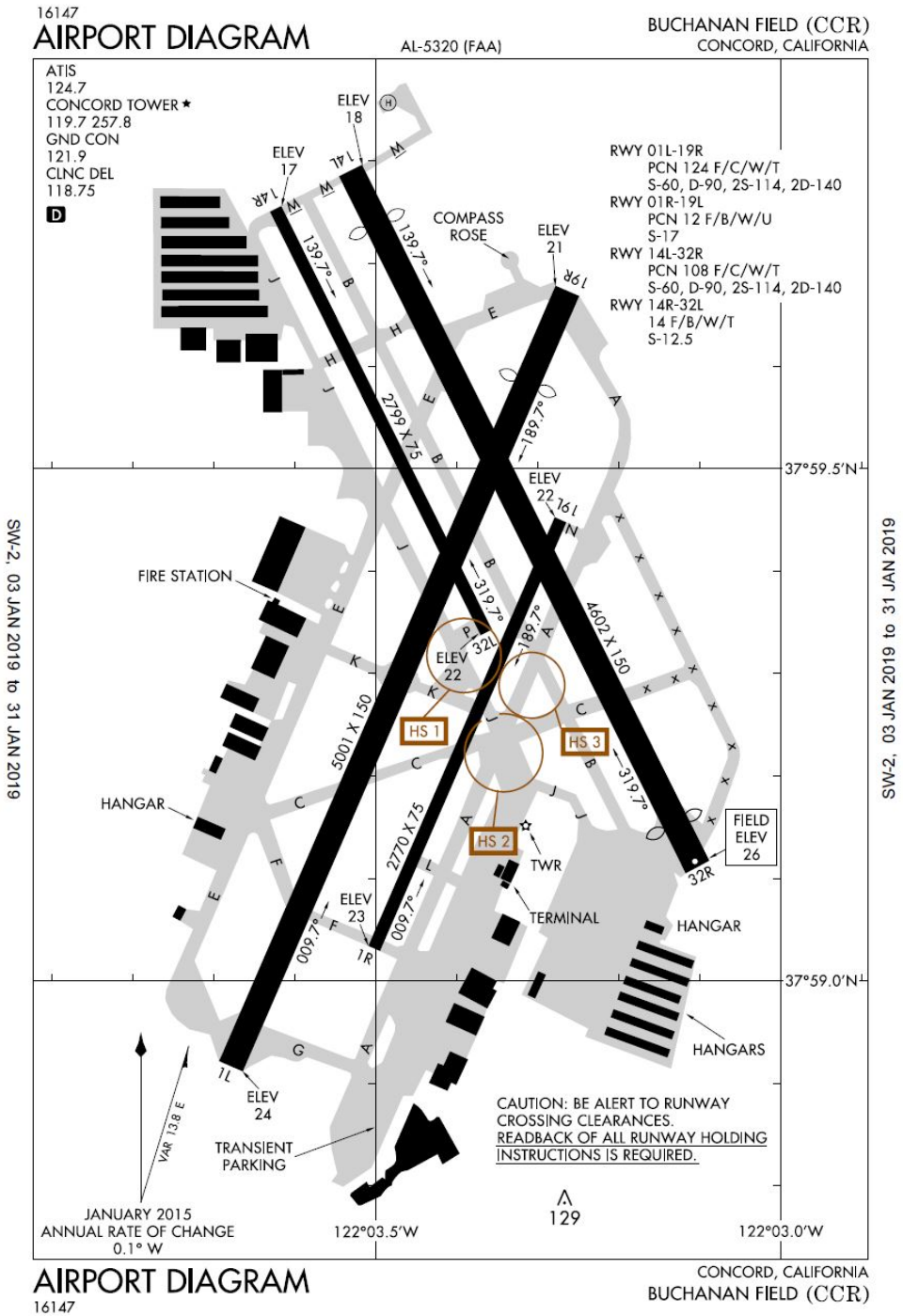
Objective: Identify Taxiway and Runway markings, practice following and understanding taxi clearances and procedures.

Hold short of 19R at the hold short bars

Goals:

Tips:
Refer to the airport diagram on your knee board

Instructor Notes/Options:



CloudFlyt
Airport Traffic Pattern Mission

Not to be used for flight - always refer to POH/Supplemental POH

Airport: KRHV **Aircraft:** Cessna 172SP

Starting Situation: KRHV holding short 31L, aircraft running

Clearance: Make closed left traffic Runway 31L, pattern altitude 1000' AGL

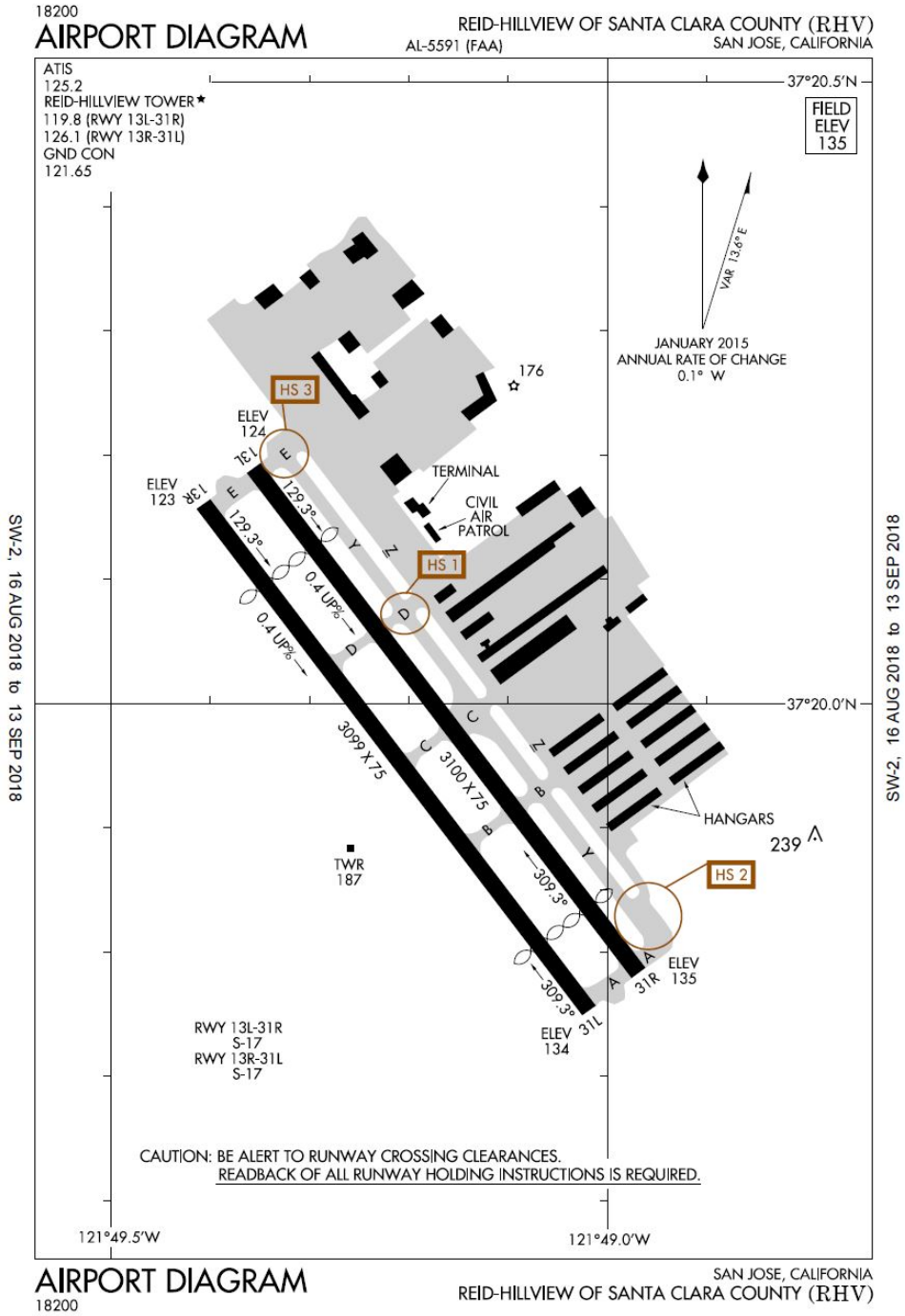
Objective: Maintain correct airspeed, altitude and closed traffic pattern. Be sure to check for runway obstructions on short final.

Goals:
Complete appropriate checklist(s)
Maintain Vy on climb
Maintain runway heading +-5 degrees
Maintain pattern altitude

Tips:
Right rudder on climb
Pattern Altitude 1020 MSL, Left Traffic
~1800 RPM for level flight at 90kts

Hoops identify approximate altitude and course
Vy = 76KIAS +-5kts

Instructor Notes/Options:
If the fuel selector is set to "right" or "left" rather than "both", it will trigger surprise failures.
On the third pass around the pattern, prepare for a failure downwind abeam the numbers.



CloudFlyt
Crosswind landing

Not to be used for flight - always refer to POH/Supplemental POH

Airport: KHWD **Aircraft:** Cessna 172SP

Starting Situation: KHWD on short final to 28L, strong crosswind

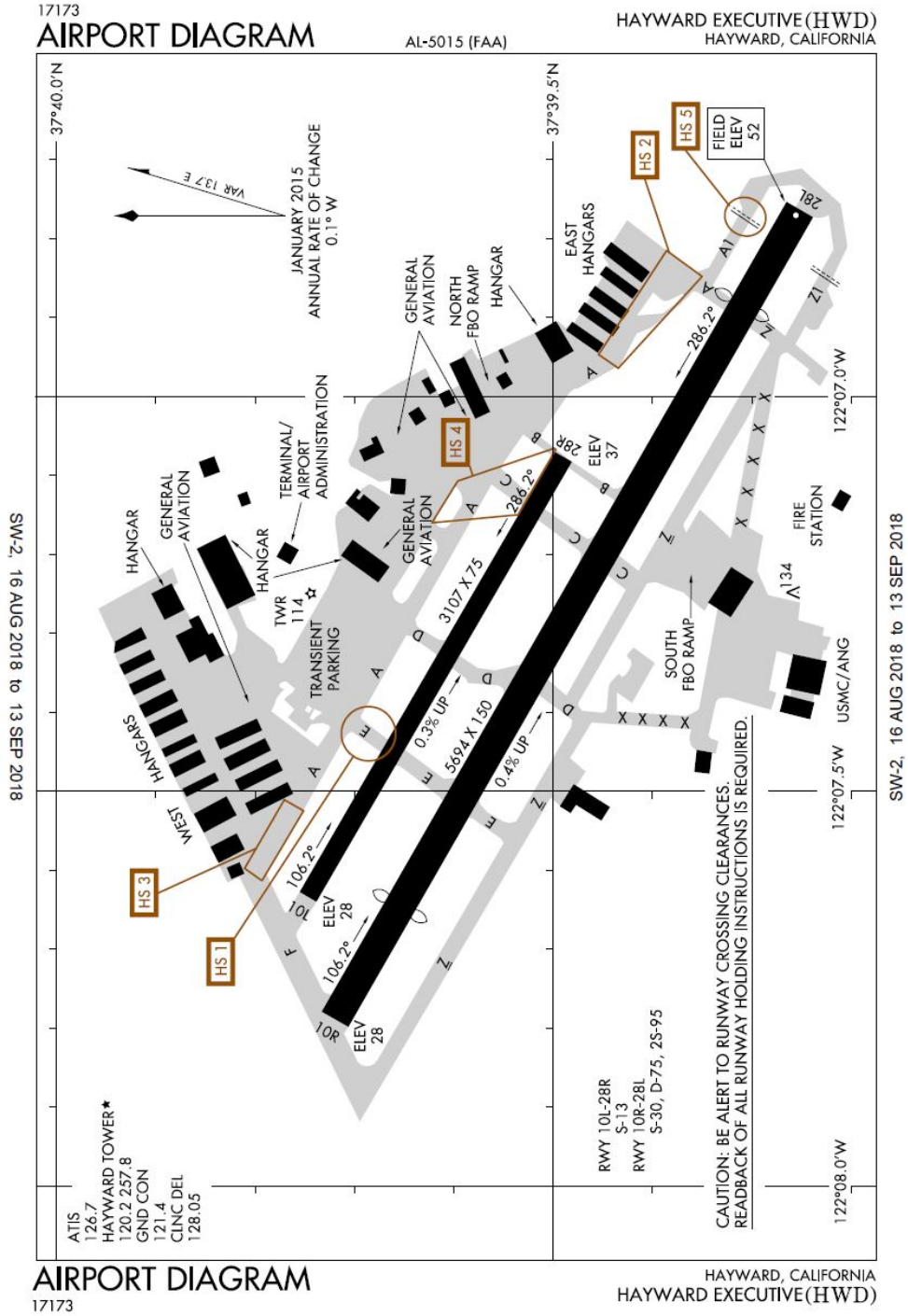
Clearance: 28L cleared to land

Objective: Perform a cross wind landing

Goals: Practice the approach visual perspective for a crosswind landing. Practice the side slip transition to landing.

Tips:

Instructor Notes/Options:



CloudFlyt
101 Level Flight

Not to be used for flight - always refer to POH/Supplemental POH

Airport: none **Aircraft:** Cessna 172SP G1000

Starting Situation: Flying level

Clearance: none

Objective: Fly level with different power settings and airspeeds

Goals: Follow the instructions to fly at different power settings and pitches for airspeed.

Tips: Don't forget to trim!

Instructor Notes/Options: Have the student notice the change in pitch for level flight at different airspeeds.

CloudFlyt
502 Forced Landing - Airport

Not to be used for flight - always refer to POH/Supplemental POH

Airport: JLA **Aircraft:** Cessna 172SP G1000

Starting Situation: Over Quartz Creek

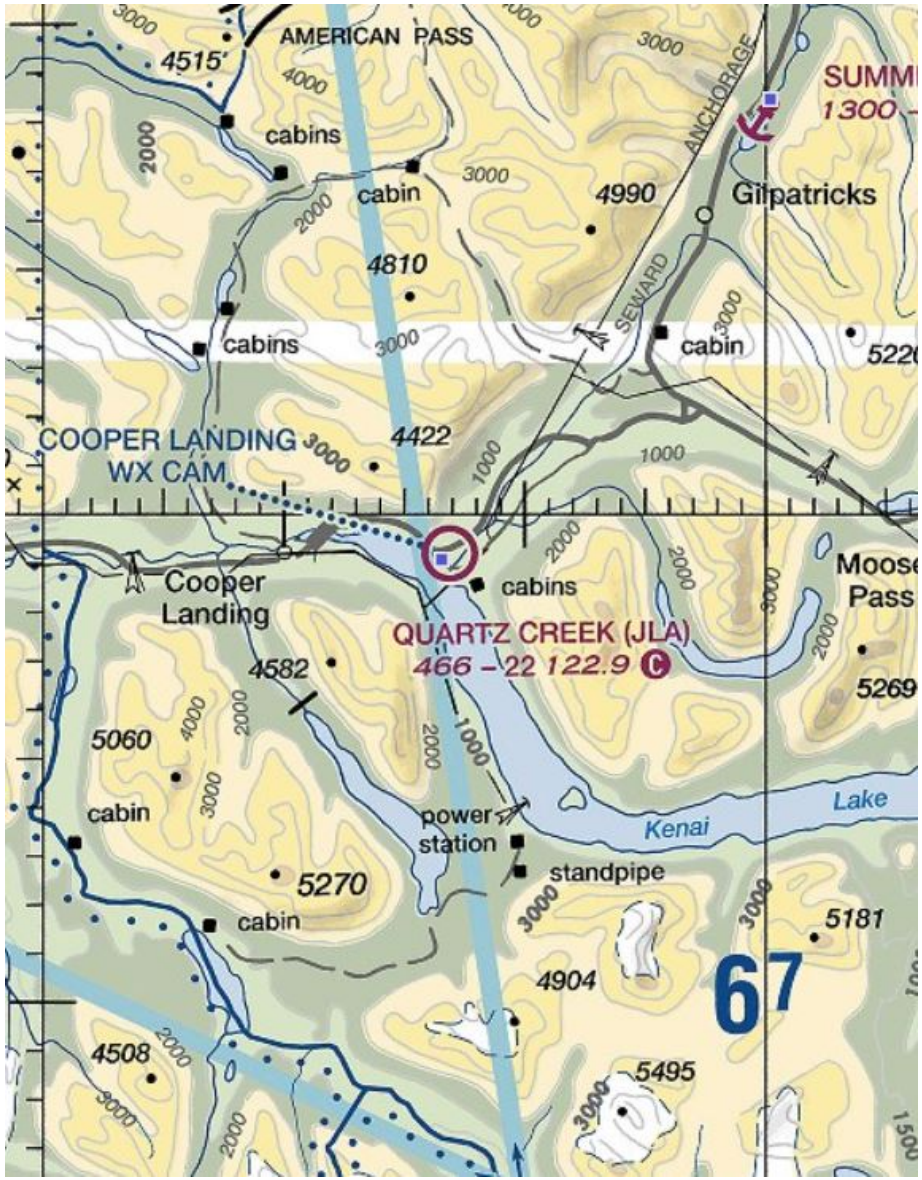
Clearance: none

Objective: Perform an emergency power-off landing

Goals: Follow the instructions as you step through the appropriate checklists and land safely.

Tips:

Instructor Notes/Options:



Tail #: **N734DR** Type: **C172/A**

Date/time: **15:45** Hobbs: **2807.4**

Location: **KHWD** Fuel: **35g** Oil: **6qts**

Gnd: **121.4** Twr: **120.20**

ATIS: **127.60** **280-9 10sm few015 17/7 30.14**

Taxi: **28L at Alpha via Alpha**

Cleared: Route: **VFR, direct**

Altitude: **3500** Freq: **125.35** Squawk: **5323**

Fix	Ident/ Freq	Course	Altitude	Distance	Time
KHWD					
Skaggs	**SGD 112.1**	**315M**	**4500**	**63nm**	
KSTS	**STS 113.0**				

Twr/CTAF: **118.6** ATIS: **120.55**

Rwy: **32/14** IAP: FAC:

Turn Off: R / L FBO: End Hobbs:

Tail #: Type:

Date/time: Hobbs:

Location: Fuel: Oil:

Gnd: Twr:

ATIS:

Taxi:

Cleared: Route:

Altitude: Freq: Squawk:

Fix	Ident Freq	Course	Altitude	Distance	Time

Twr/CTAF: ATIS:

Rwy: IAP: FAC:

Turn Off: R / L FBO: End Hobbs: