OVERDRIVE INTERACTIVE

AIRBUS A320 · CIDS · FAP

A320 FAP Simulator

Instructor Guide



Version 4.1 · Android tablet · Windows PC

Classroom set-up, license codes, quick reference,
ten ready-to-teach lessons with expected indications, and an assessment checklist.

For academic, familiarization and training purposes only. Not for operational use.

CONTENTS

Table of Contents

01	About the Simulator	What it teaches, colours, INSTRUCTOR panel, limits
02	Classroom Set-up	Devices, installing, starting state, resets
03	License Codes & Admin Page	Giving and releasing codes, updates
04	Quick Reference	Pages, hard keys, codes, announcements
05	Lesson 1 · Panel Familiarization	
06	Lesson 2 · Boarding	Lighting, music, welcome announcement
07	Lesson 3 · Doors & Slides	Arm and cross-check, cabin ready, slide deployment
08	Lesson 4 · Announcements (PRAM)	MEMO list, PLAY ALL, night take-off
09	Lesson 5 · Lavatory Smoke	
10	Lesson 6 · Evacuation	EVAC CMD, CAPT / CAPT & PURS, cockpit command
11	Lesson 7 · Cabin Service Systems	Passenger calls, seats, temperature, water / waste
12	Lesson 8 · Abnormals & CAM Pages	CIDS faults, low cabin pressure, access codes
13	Lesson 9 · Signs, Calls & Cockpit PA	Flight phase, CAUT, lavatory call, PA priority, emergency lights
14	Lesson 10 · Cards & Flying Without PRAM	PRAM / CAM / OBRM change, layouts on ground only
15	Assessment Checklist	Printable, one per student
16	Troubleshooting & FAQ	
17	Limitations & Important Notice	

HOW TO USE THIS GUIDE

Chapters 1 to 4 prepare the class. Chapters 5 to 14 are lessons: the **instructor** creates a situation in the INSTRUCTOR panel, the **student** answers with the real FAP keys only, and the **expected indications** (exact messages shown by the simulator) let you check the answer. Chapter 15 is a printable practical assessment. The User Manual explains every key in detail.

CHAPTER 01

About the Simulator

The A320 FAP Simulator reproduces the Flight Attendant Panel of the Airbus A320 Cabin Intercommunication Data System (CIDS) on a tablet or PC, so cabin crew students can practise every page, hard key and drill before they meet the aircraft or a cabin mock-up.

What students learn

- The FAP layout: header, message line, page tabs, hard keys and card slots.
- Normal duties: boarding lighting and music, PRAM announcements, passenger signs, cabin temperature, water and waste, passenger and lavatory calls.
- Door and slide procedures: arm and cross-check, CABIN READY, what happens when an armed door is opened.
- Abnormal and emergency indications: lavatory smoke, evacuation command, CIDS faults, low cabin pressure, emergency lights, cockpit PA priority.
- CAM pages: cabin programming, layout selection, level adjustment, with the CIDS default access codes.

Colours

Colour	Meaning on the FAP
GREY	Key available, not selected.
GREEN	Selected or active; normal status (e.g. closed + armed).
AMBER	Caution: passenger call, waste tank full, smoke still being monitored, one CIDS director failed.
RED	Alarm, flashing: smoke, slide deployed, evacuation, CIDS 1+2 fault.

The INSTRUCTOR panel

The FAP screen shows **only the real A320 FAP**. Everything that happens away from the panel is in the **INSTRUCTOR panel**: the INSTRUCTOR key on the top frame (left) opens it over the right side of the panel. Tabs: **COCKPIT** (flight phase, signs panel, cockpit PA, zone temperature selectors, EVAC selector, cockpit EVAC CMD), **CABIN** (lavatory calls, passenger seat call, lavatory smoke), **DOORS** (arming lever and handle at each door, ARM / DISARM SLIDES X-CHECK, RESET DRILL), **AIRCRAFT** (normal power lost, low cabin pressure, CIDS faults, water / waste), **MAINT.** (card case) and **SIMULATOR** (chimes, °C / °F, MUTE, access codes, RESET SIMULATOR).

Tell students on day one: **nothing in the violet INSTRUCTOR panel, and neither the INSTRUCTOR nor the ⚙ SETTINGS key, exists on the aircraft**. Create the situation, close the panel, and let the student answer on the FAP.

TEACHING RHYTHM

You (or a student acting as "instructor") use the INSTRUCTOR panel; the student on duty reacts with the FAP keys only, and says out loud what they see and do.

How close it is to the aircraft

The separate **Sources & Conformance** report lists every function: 70 match the A320 CIDS FAP, 17 are simplified (mostly airline-configured content such as the announcement list, music channels and PRAM voices), 11 are trainer controls, 8 are simulator-only (license, settings, updates) and 12 real functions are not included (maintenance or optional items, see Chapter 17). Every A320 is configured by its airline through the CAM, so always teach with your airline's cabin crew manual.

CHAPTER 02

Classroom Set-up

The simulator runs on Android tablets (landscape) and Windows PCs. Every device needs its own license code (Chapter 3); after activation it works offline.

Recommended equipment

Device	Best use	Notes
Windows PC + projector	Instructor demonstration	Full-screen panel, readable by the whole class.
Android tablet	Student practice	Landscape only. A 10-inch tablet shows the panel close to real size.
Speakers	Chimes, PRAM, alarms	Sound is part of the training: chimes, smoke alert, evacuation tone, announcements.

Installing

1. Open `opulencecircle82.github.io/OI/fap` on the device.
2. **Android:** scan the QR code or tap DOWNLOAD APK, allow "Install unknown apps" for the browser, install, open **A320 FAP**.
3. **Windows:** DOWNLOAD FOR WINDOWS, open the Setup; if "Windows protected your PC" appears, click More info → Run anyway. No administrator rights needed.
4. Enter the license code (internet once), then read and accept the notice that appears at every start.

Starting state (aircraft at the gate)

Every new session starts in the same state, so all students see the same situation:

System	State at start
Doors	**L1 open** for boarding; all other doors closed. Door slides **disarmed**; overwing exits (EMER L1/L2/R1/R2) always armed.
Message line	*Please check door/slide status prior departure* (flashing).
Evacuation selector	CAPT & PURS.
Smoke, faults, calls	None.

Resetting between students

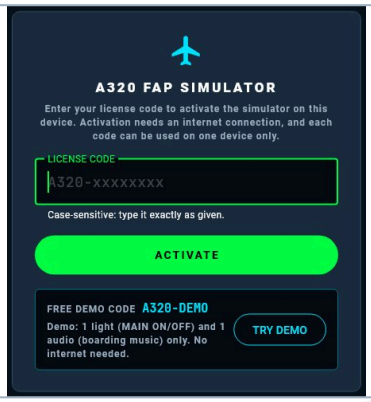
- `RESET DRILL` (INSTRUCTOR > DOORS): doors and slides back to the start, deployed slides repacked.
- `RESET SIMULATOR` (INSTRUCTOR > SIMULATOR): every system back to factory defaults, after a confirmation.
- `FAP RESET` (hard key): restarts only the FAP screen, like the aircraft; the cabin keeps its state and protected pages lock again.

> **SIMULATOR SETTINGS**
> INSTRUCTOR > SIMULATOR switches °C / °F and has a **MUTE** for all sound. They are simulator settings, not part of the aircraft FAP.

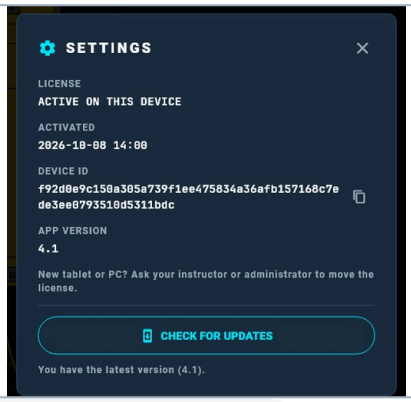
CHAPTER 03

License Codes & Admin Page

Each device needs a license code such as `A320-k7Rm9Qx2`. A code works on one device at a time. A320 MCDU Trainer codes (MCDU-...) do not work in the FAP.



Start screen: license code or free demo.



⚙ SETTINGS on the panel frame: license status, device ID, app version, CHECK FOR UPDATES. The code is not shown.

Rules students must know

- Codes are **case-sensitive**. Activation needs internet **once**; afterwards the simulator works offline.
- Reinstalling on the same device restores the license automatically (online). A factory reset counts as a new device.
- New device: the student cannot move the license from the app. **You release the code** on the admin page (Release), then the student enters the same code on the new device. ⚙ SETTINGS shows the device ID if you need to find the device.
- Updates: the app offers a new version when it starts (internet needed), or ⚙ SETTINGS → CHECK FOR UPDATES → UPDATE NOW. The license stays active.
- Demo code `A320-DEMO` (no internet): only LIGHTS MAIN ON/OFF and boarding music ON/OFF. Other keys ask for a license code.

Admin page

Open `opulencecircle82.github.io/OI/admin`, sign in, and keep the tab **A320 FAP** selected (codes A320-...).

Section	What to do
Unused codes	Always exactly 10. **Copy** one for each student; a new code appears automatically. **Replace** only a code shared by mistake.
Used codes	Grouped by 📱 Android and 💻 PC, with date and device.

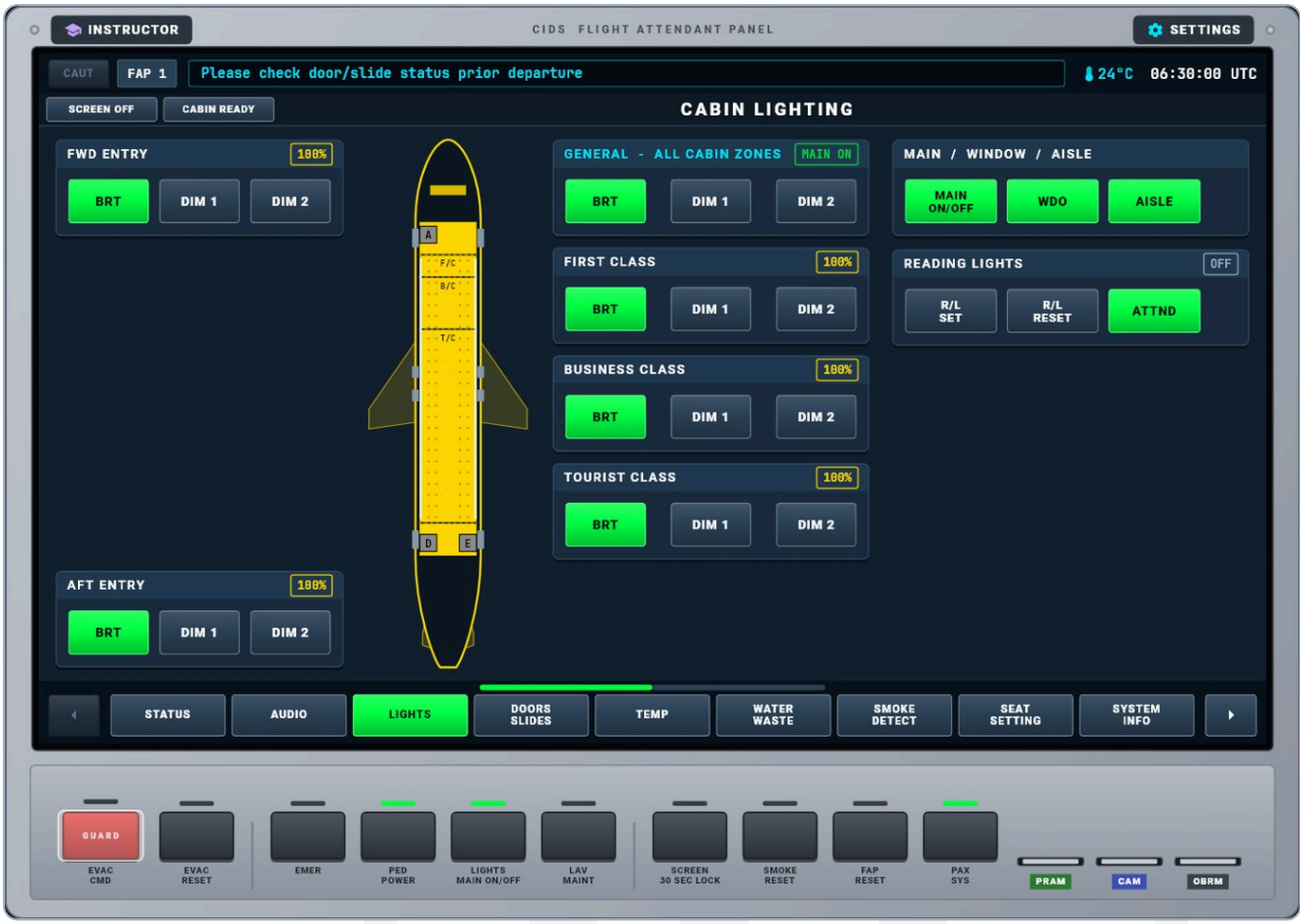
Release	Student's device broken or lost: frees the code for that student's new device. The old device locks itself when it next goes online.
Transferred	Codes that have moved to another device (released by you, or moved by a student with an older app version).

KEEP CODES PRIVATE

Give each code to one student. Never post the list in a group chat.

CHAPTER 04

Quick Reference



Header with message line, title bar, page area, two rows of page tabs, hard keys and card slots.

Pages

Page	Main content
STATUS	One tile per system (incl. PASSENGER SIGNS); tap a tile to open its page.
AUDIO	Boarding music (4 channels, VOL, CHAN), PRAM with DIRECT PLAY and MEMO list, CALL RESET (seat and lavatory calls), CHIME INHIBIT.
LIGHTS	BRT 100 % · DIM 1 50 % · DIM 2 10 % per zone or GENERAL; MAIN, WDO, AISLE, R/L SET/RESET, ATTND.
DOORS/SLIDES	8 exits: L1, R1, EMER L1/L2/R1/R2, L2, R2. DOOR and SLIDE status.
TEMP	FWD / AFT zones: cockpit selection 18–30 °C, FAP adjustment ±2.5 °C, actual temperature.
WATER/WASTE	Potable water 200 L, waste 170 L, preselection 25–100 %, lavatories A, D, E.
SMOKE DETECT	Lavatories A (FWD), D (AFT LH), E (AFT RH), SMOKE RESET.

SEAT SETTING	Inhibit call or reading light per seat; CALL INHIBIT, CHIME INHIBIT, PES.
SYSTEM INFO	CIDS directors, PAX SYS, EVAC selector, messages.
Row 2 (CAM)	CABIN PROG, LAYOUT SELECT (ground only), LEVEL ADJUST (code **318**), SW LOAD (code **813**), FAP SET-UP (no code; PRAM / CAM / OBRM card change).
CAUT (header)	Flashes for a new event (smoke, slide, water / waste, CIDS fault, call) and the info row asks *SELECT ... PAGE*; steady once seen; press it to open the page.

Hard keys

Key	Function
`EVAC CMD`	Guarded: first tap lifts the guard, second press commands the evacuation.
`EVAC RESET`	Silences the evacuation tone at this station, clears EVAC indications.
`EMER`	Cabin emergency lighting (the light also shows emergency lights from the cockpit or ARM).
`PED POWER` · `PAX SYS`	In-seat power · passenger system power.
`LIGHTS MAIN ON/OFF` · `LAV MAINT`	General illumination · lavatory lights full bright.
`SCREEN 30 SEC LOCK`	Touchscreen locked 30 s for cleaning.
`SMOKE RESET`	Silences the lavatory smoke alert.
`FAP RESET`	Restarts the FAP screen only.

PRAM announcements

> **TELL THE CLASS**
> PRAM is an airline option: not every A320 has it. Without PRAM, the cabin crew make every announcement with the handset, and there is no boarding music from the FAP.

Code	Announcement	Code	Announcement
`010`	Welcome aboard	`080`	Turbulence alert
`020`	Safety demonstration	`090`	Doctor on board
`030`	No smoking	`100`	Ground delay
`040`	Electronic devices	`110`	Descent preparation
`050`	Prepare for take-off	`120`	Final approach
`060`	Fasten seat belts	`130`	Arrival / disembark

070	Seat belt sign off

Chimes (INSTRUCTOR > SIMULATOR)

HIGH passenger call · **HIGH-LOW** crew call (interphone) · **LOW** seat belt / no smoking signs · **EMER CALL** emergency call from the cockpit (high-low three times). The sign chime also sounds by itself each time a passenger sign changes.

CHAPTER 05 · LESSON 1

Panel Familiarization

Duration: 30 minutes. Students learn where everything is before any procedure.

Objectives

- Name the header parts, the page tabs, the hard keys and the card slots.
- Read the CABIN STATUS page and explain the colours.
- Tell the real FAP from the INSTRUCTOR panel.

Steps

1. Open **STATUS**. Ask the student to read every tile out loud.
2. Ask why the DOORS/SLIDES tile is not green.
3. Switch between the two rows of page tabs with the arrows at the ends of the tab bar.
4. Point to each hard key and ask for its function (Chapter 4).
5. Show the INSTRUCTOR key and panel, and explain that nothing in it is on the aircraft FAP.



CABIN STATUS at the start of a session.

Expected answers

Question	Expected
Doors tile	Not all doors secure: L1 is open for boarding and the door slides are disarmed (only the four overwing exits are armed).
Message line	*Please check door/slide status prior departure* (flashing).

Which pages need a code?	CABIN PROG, LAYOUT SELECT, LEVEL ADJUST (318), SW LOAD (813).

CHAPTER 06 · LESSON 2

Boarding

Duration: 20 minutes. Prepare the cabin for passengers and welcome them.

Steps (student)

1. LIGHTS: GENERAL – ALL CABIN ZONES `BRT`; check MAIN is on; switch on `ATTND`.
2. AUDIO: select a music channel, press `ON/OFF`, set a comfortable VOL.
3. When boarding is complete: select `010` and press `DIRECT PLAY`.
4. After the announcement, stop the boarding music.

Expected indications

Action	What the panel shows
GENERAL BRT	Every zone tag 100 %, the fuselage diagram fully lit.
Music ON	ON/OFF green, note symbol on the selected channel.
DIRECT PLAY 010	ON ANNOUNCE shows 010 Welcome aboard. The music is **lowered, not stopped**, during the announcement and comes back afterwards.



Extension: different levels per zone; the diagram dims each zone to match.

> **ASK**
> Which level would you choose for meal service (DIM 1, 50 %) and for a night take-off (DIM 2, 10 %)?

CHAPTER 07 · LESSON 3

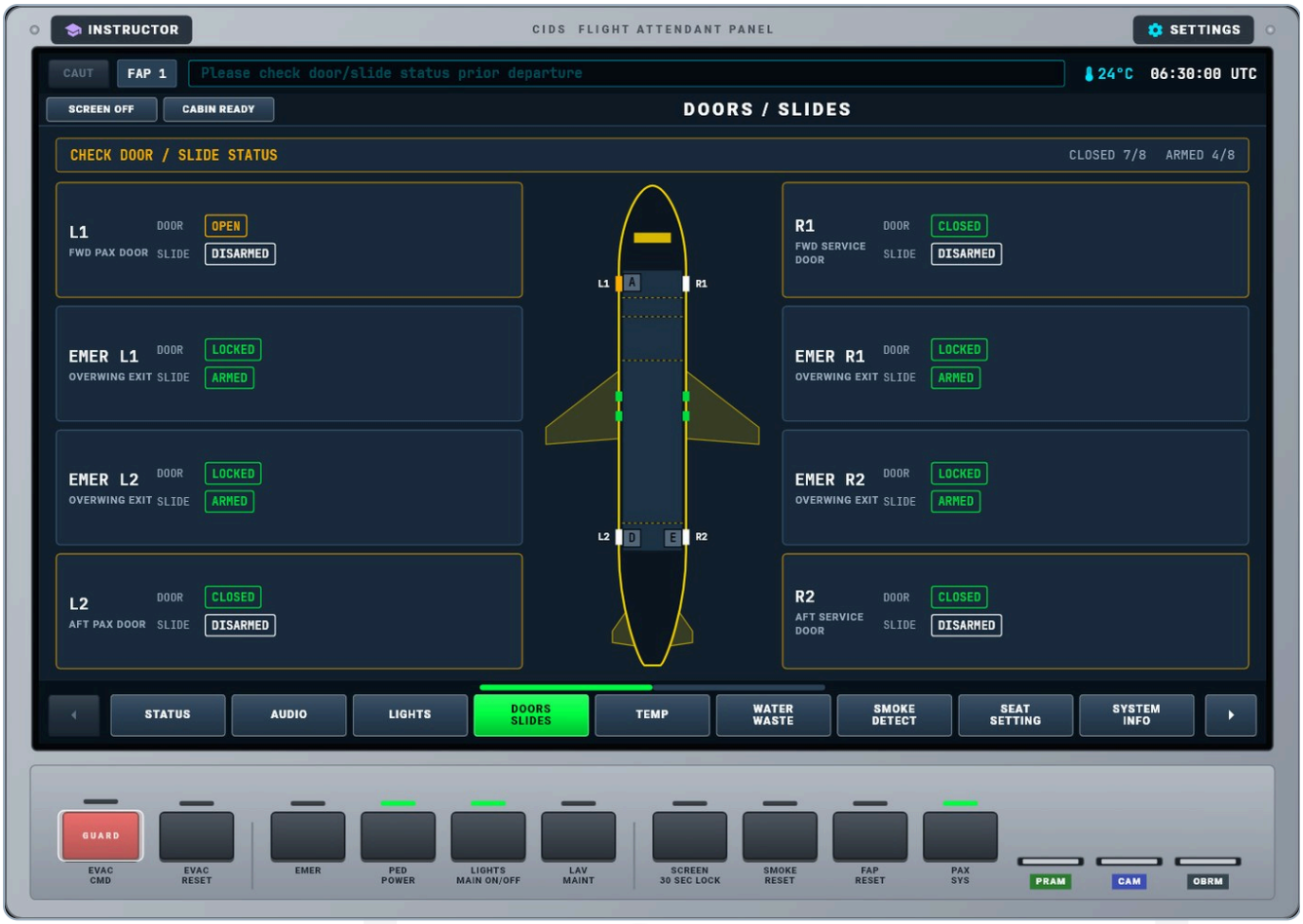
Doors & Slides

Duration: 40 minutes. The most important lesson for safety: arming, cross-checking, CABIN READY, and the consequence of opening an armed door.

A · Arm slides with a door still open (trap)

1. Instructor (INSTRUCTOR > DOORS): `ARM SLIDES X-CHECK` while L1 is still open.
2. Student: reads the notice and the Doors page.
3. Instructor: AT DOOR L1 `CLOSE`, then ARM SLIDES X-CHECK again.
4. Student: cross-checks every exit (CLOSED + ARMED, green) and presses `CABIN READY`.

Moment	Expected indication
Arm with L1 open	*NOT ARMED - DOOR OPEN: L1* — the other door slides arm, L1 does not.
All closed and armed	Message line *ALL DOORS CLOSED - ALL SLIDES ARMED* (green).
CABIN READY	At the gate (FLIGHT PHASE GROUND): *CABIN READY SET - SHOWN TO COCKPIT AFTER ENGINE START*; with ENGINES RUNNING: *CABIN READY SENT TO COCKPIT*. Message line adds - *CABIN READY*; key green. Press again: *CABIN READY CANCELLED*.

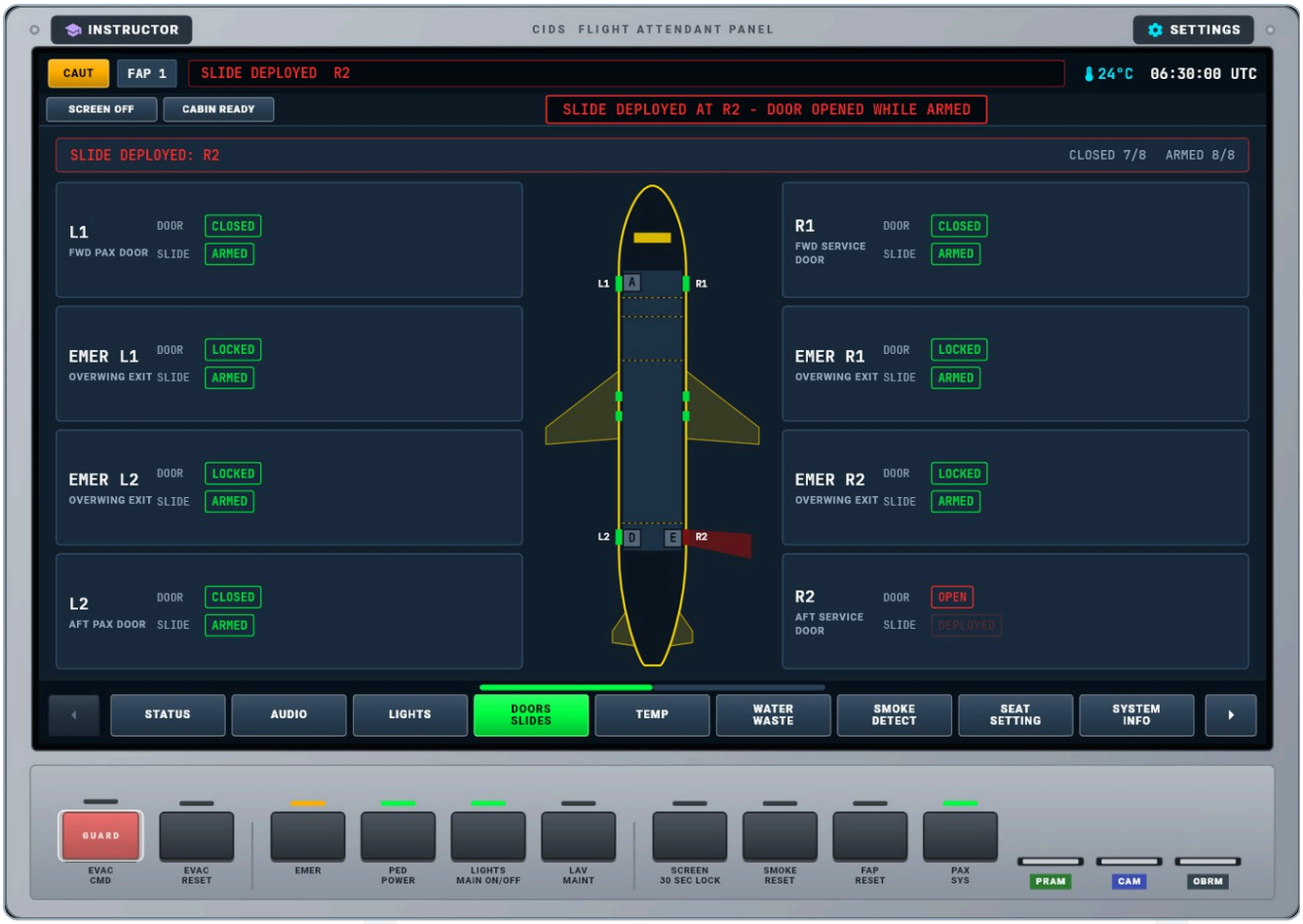


All doors closed, all slides armed.

B · Armed door opened

1. Slides armed. Instructor: AT DOOR R2 **OPEN** (simulates a crew member opening an armed door).
2. Student: identifies the alarm, the door, and reports it.
3. Instructor: **RESET DRILL**.

Expected indication
SLIDE DEPLOYED AT R2 - DOOR OPENED WHILE ARMED, then the message line *SLIDE DEPLOYED R2* in red; R2 red on the page; DOORS/SLIDES tab red.



R2 opened while armed: slide deployed.

Discussion

- Why are the overwing exits always armed? (Their slides are permanently armed; there is no arming lever.)
- Who disarms after arrival and when? Use `DISARM SLIDES X-CHECK` to practise the arrival call.

CHAPTER 08 · LESSON 4

Announcements (PRAM)

Duration: 20 minutes. Prepare and play the pre-departure announcements in the correct order.

> **SAY IT AT THE START**
> PRAM is an airline option. On an A320 without PRAM the crew read every announcement with the handset (Lesson 10 shows the FAP without a PRAM card).

Steps (student)

1. AUDIO: select `020`, press ← to copy it into MEMO. Do the same for `040` and `050`.
2. Check the order with ▲/▼: 020 safety demonstration, 040 electronic devices, 050 prepare for take-off.
3. Press `PLAY ALL` (or `PLAY NEXT` one by one). `STOP` stops the sequence.
4. LIGHTS: `DIM 2` for a night take-off.



Three announcements in the MEMO list.

Expected indications

Action	Expected
PLAY ALL	The MEMO entries play one after the other; ON ANNOUNCE shows the current one; music (if on) is lowered during each.
PLAY NEXT with an empty MEMO	*MEMO IS EMPTY*
New announcement while one plays	The new one replaces it: two announcements never play together.
CHIME INHIBIT on	*CHIME INHIBITED - PRESS CHIME INHIB TO RESTORE*

> **020 SAFETY DEMONSTRATION**
> Includes the life vest briefing: over the head, fasten the straps, do not inflate inside the aircraft, pull the red tabs, blow into the mouthpieces if needed, light and whistle.

CHAPTER 09 · LESSON 5

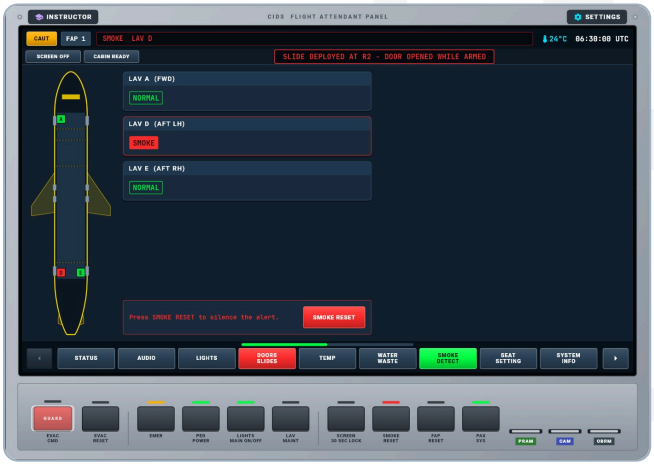
Lavatory Smoke

Duration: 25 minutes. Recognise the smoke alert, silence it, act, and understand when the indication clears.

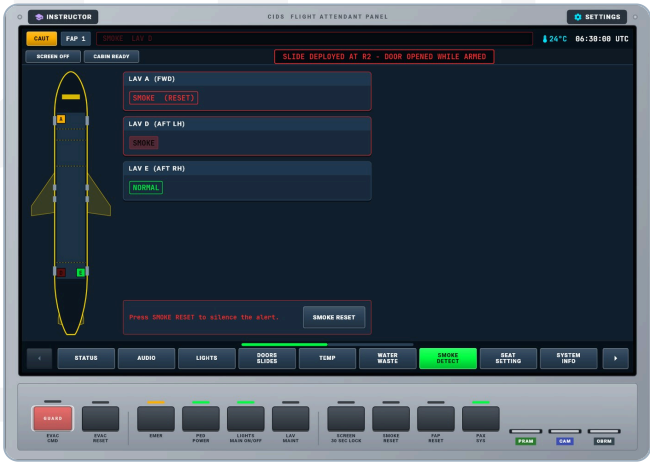
Steps

1. Instructor (INSTRUCTOR > CABIN): `SMOKE` on LAV D.
2. Student: the SMOKE DETECTION page opens by itself. Press `SMOKE RESET` (page or hard key).
3. Student describes the crew actions: go to the lavatory, feel the door, locate the source, fight a fire with the nearest extinguisher, inform the cockpit, keep the door closed and monitor.
4. Instructor: `EXTINGUISH`.

Moment	Expected indication
Smoke detected	Page opens automatically; aural alert; message line *SMOKE LAV D* in red, flashing; SMOKE DETECT tab flashing red.
After SMOKE RESET	Aural alert silenced, but the smoke **stays displayed** while the detector still senses it (tab amber).
After EXTINGUISH	The CIDS clears all smoke indications by itself.
SMOKE RESET with no smoke	*NO ACTIVE SMOKE ALERT*



Smoke in LAV D.



After SMOKE RESET: silenced, still shown.

COMMON MISCONCEPTION

SMOKE RESET does not "clear" the smoke. It only silences the alert. The indication disappears when no more smoke is detected.

CHAPTER 10 · LESSON 6

Evacuation

Duration: 30 minutes. The guarded EVAC CMD key, the cockpit CAPT / CAPT & PURS selector, and an evacuation commanded from the cockpit.

A · EVAC CMD from the cabin (selector CAPT & PURS)

1. Student presses **EVAC CMD** without lifting the guard.
2. Student lifts the guard (first tap) and presses EVAC CMD.
3. Student presses **EVAC RESET** to silence the tone at this station.

Moment	Expected indication
Guard closed	*LIFT THE EVAC CMD GUARD FIRST*
EVAC CMD	Evacuation tone; title bar *EVAC – PRESS EVAC RESET TO SILENCE* flashing red; EVAC tile red.
EVAC RESET	Tone silenced, EVAC indications cleared. Pressed with nothing active: *NO EVAC COMMAND ACTIVE*.



Evacuation command active.

B · Selector in CAPT

1. Instructor (INSTRUCTOR > COCKPIT): set the selector to **CAPT**.
2. Student: lifts the guard and presses EVAC CMD.

Expected: *SELECTOR IN CAPT: COCKPIT HORN ONLY (3 S) - NO CABIN EVAC*. Discuss why the airline may require the captain to command the evacuation.

C · Evacuation commanded from the cockpit

Instructor: `COCKPIT EVAC CMD`. **Expected:** *EVAC COMMANDED FROM THE COCKPIT*, evacuation tone and red indications. Student: EVAC RESET at this station, then states the evacuation commands of the airline procedure.

CHAPTER 11 · LESSON 7

Cabin Service Systems

Duration: 40 minutes. Passenger calls and seat settings, cabin temperature, water and waste.

A · Passenger calls

1. Instructor (INSTRUCTOR > CABIN): `PASSENGER PRESSES CALL` two or three times.
2. Student: reads the seats, "answers" them, then presses `CALL RESET`.
3. Student: inhibits the call button of a "broken" seat on SEAT SETTINGS (row + letter, INHIBIT).

Expected: high chime; message line *PAX CALL 9E / 14C …* (random seats); SEAT SETTING tab amber; seats listed under CALL RESET on the Audio page. After CALL RESET the calls are cleared. With CALL INHIBIT on: *PASSENGER CALLS INHIBITED*. Lavatory calls: see Lesson 9.



SEAT SETTINGS.

B · Cabin temperature

1. Passengers in the aft cabin feel cold. Student: TEMP, AFT zone `+`.
2. Keep pressing + until the limit.
3. Instructor (INSTRUCTOR > COCKPIT, zone temperature selector): raise the AFT cockpit selection by 2 °C.

Expected: the target rises by 0.5 °C per press and ACTUAL moves towards it gradually. Beyond +2.5 °C: *FAP ADJUSTMENT LIMIT ±2.5°C - ASK THE FLIGHT CREW*. Teaching point: larger changes are made by the flight crew (18–30 °C).

C · Water and waste

1. Instructor (INSTRUCTOR > AIRCRAFT): `ADD WASTE +10%` until the tank is full.
2. Student: identifies the consequence, presses `RESET WARN`, informs the purser.
3. Instructor: `DRAIN WASTE`.

Expected: *WASTE TANK FULL - LAVATORIES INOP*; lavatories A, D, E **INOP**; WATER/WASTE tab amber. After draining, the lavatories are OK again. Low water: *POTABLE WATER LOW / EMPTY*.



Waste tank full: all lavatories INOP.

CHAPTER 12 · LESSON 8

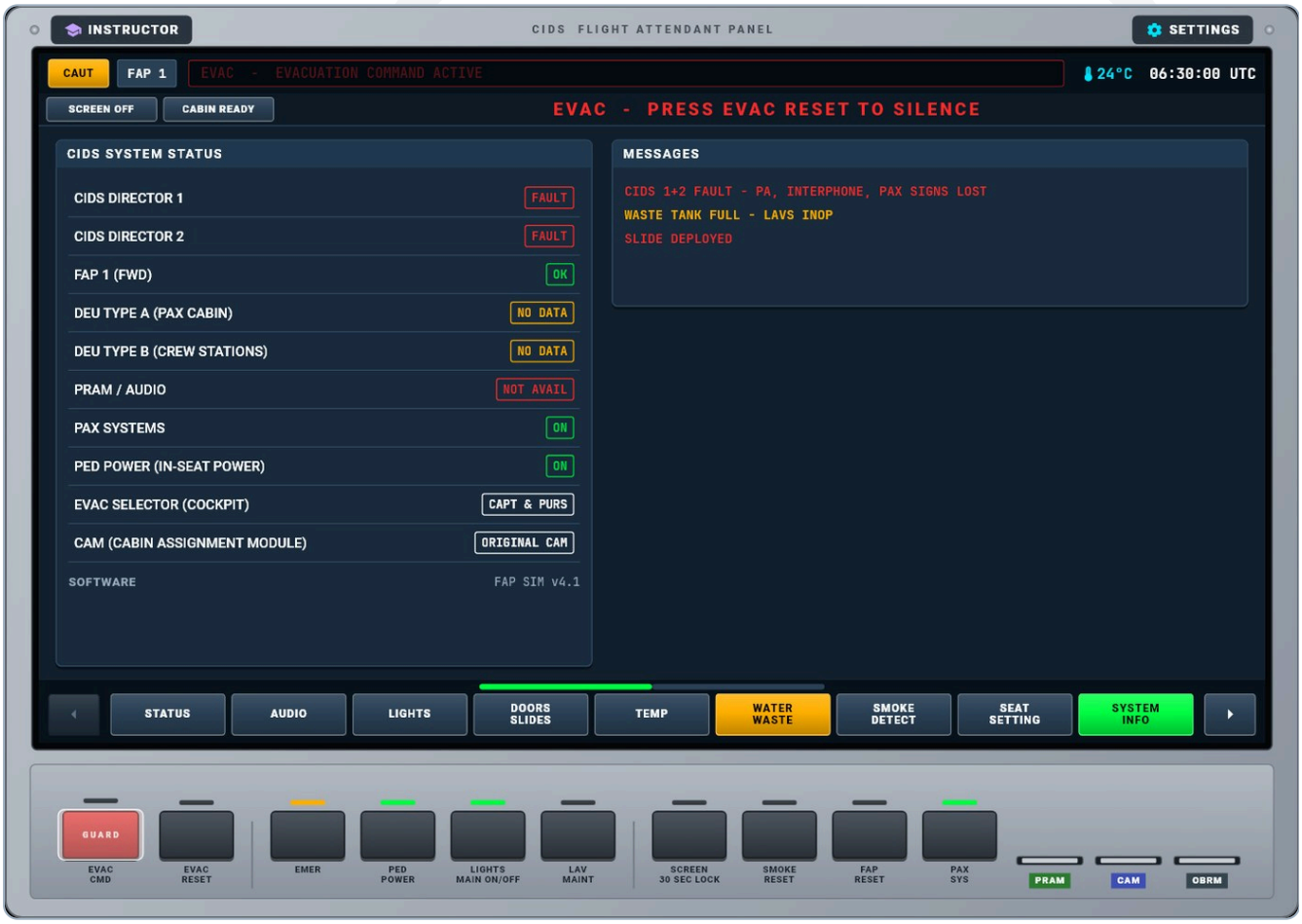
Abnormals & CAM Pages

Duration: 40 minutes. CIDS director faults, low cabin pressure, and the protected CAM pages.

A · CIDS faults

Instructor (INSTRUCTOR > AIRCRAFT / COCKPIT)	Expected
`DIR 1 FAULT`	*CIDS DIR 1 FAULT* (amber): DIR 2 takes over, cabin functions continue.
+ `DIR 2 FAULT`	CIDS 1+2 FAULT: *PA / INTERPHONE / SIGNS LOST*; SYSTEM INFO tab red. Trying PA, music or chimes shows *CIDS 1+2 FAULT - PA NOT AVAILABLE*, *- BGM NOT AVAILABLE*, *- CHIMES NOT AVAILABLE*.

Discussion: how does the crew communicate without PA and interphone? (Airline procedure: megaphone, face-to-face, signals.)



Both directors failed.

B · Low cabin pressure

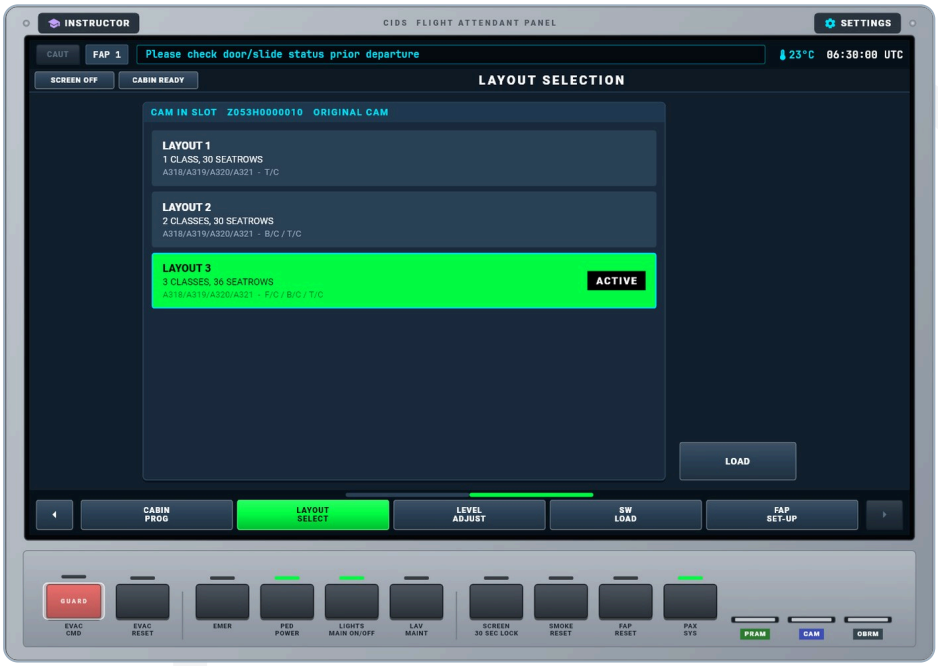
Instructor: `LOW CABIN PRESSURE` (press again to end it). **Expected:** *LOW CABIN PRESSURE - LIGHTS BRT, SIGNS ON, PA LOUDER (AUTO)*: lights BRT, seat belt and no smoking signs on (low chime), PA

volume up; the same line appears under MESSAGES. Teaching point: the oxygen masks, the emergency descent and the BRACE command are **not FAP functions** (cockpit or automatic). Discuss the cabin crew actions for decompression from the airline manual.

Then `DIR 1` + `DIR 2 FAULT` and wait: the student cannot change the lights (*CIDS 1+2 FAULT - NO CABIN LIGHT CONTROL*), and after **3 minutes** without the CIDS all cabin lights go to full brightness (*NO CIDS SIGNAL - CABIN LIGHTS FULL BRIGHT*).

C · Protected pages

1. Open CABIN PROG and enter a wrong code: *INVALID ACCESS CODE*.
2. Enter **318**. In LAYOUT SELECT choose another layout and `LOAD`: *LAYOUT 2 LOADED (ORIGINAL CAM)*; the lighting zones follow the new layout. (Ground only: with FLIGHT PHASE FLIGHT the page shows *LAYOUT SELECTION NOT AVAILABLE - IN FLIGHT*.)
3. Press the hard key `FAP RESET`: the protected pages lock again.



LAYOUT SELECTION.

CHAPTER 13 · LESSON 9

Signs, Calls & Cockpit PA

Duration: 35 minutes. Passenger signs and their chime, a lavatory call through CAUT, the priority of a cockpit PA, and the emergency lights. All instructor controls are in INSTRUCTOR > COCKPIT and CABIN.

A · Passenger signs

Instructor (INSTRUCTOR panel)	Expected
Start of session (GROUND, NO SMOKING AUTO)	PASSENGER SIGNS tile: SEAT BELT OFF, NO SMOKING ON, EXIT ON.
SEAT BELTS `ON`	Single low chime; SEAT BELT ON. (The lavatory RETURN TO SEAT signs follow.)
FLIGHT PHASE `FLIGHT`	Gear up: NO SMOKING in AUTO goes off, low chime; EXIT OFF.
FLIGHT PHASE `APPROACH`	Gear down: NO SMOKING on again, low chime.



In flight, seat belts on, a call from lavatory D waiting.

B · Lavatory call and CAUT

1. Student on the LIGHTS page. Instructor: `LAV D`.
2. Student: notices CAUT flashing and *SELECT AUDIO PAGE*, presses `CAUT` (or SCREEN OFF, which steps to the event page), reads the call and presses `CALL RESET`.

Expected: single high chime; message line *PAX CALL LAV D*; AUDIO tab amber; CAUT steady amber once the AUDIO page is open, off after CALL RESET. Pressing LAV D again also cancels the call (button in the lavatory).

C · Cockpit PA priority

1. Student: boarding music on, then DIRECT PLAY `020`.
2. Instructor: `COCKPIT PA`. Student: explains what happened.
3. While the captain is speaking (about 10 seconds), the student tries DIRECT PLAY again.

Expected: *COCKPIT PA - PRAM ANNOUNCEMENT STOPPED (PRIORITY)*; the captain's voice is heard (no chime) and the music stays lowered; a new announcement shows *COCKPIT PA HAS PRIORITY - PLAY AFTER THE COCKPIT PA* until the cockpit PA ends, by itself when the captain finishes or with `COCKPIT PA` again.

D · Emergency lights

Instructor: EMER EXIT LT `ARM`, then `NORMAL POWER LOST`. **Expected:** *NORMAL POWER LOST - EMERGENCY LIGHTS ON (AUTO)*, EMER light lit, CABIN LIGHTING tile EMER LT ON. With EMER EXIT LT OFF they stay off; the FAP EMER key still switches them on.

CHAPTER 14 · LESSON 10

Cards & Flying Without PRAM

Duration: 25 minutes. What the PRAM, CAM and OBRM cards hold, how a card is changed on FAP SET-UP, and what the crew does on an A320 without PRAM.

> **TELL THE CLASS FIRST**
> On the aircraft, maintenance or the airline changes the cards. Cabin crew do not change them in flight. The card case is in INSTRUCTOR > MAINT., not on the FAP.

A · No PRAM

1. Instructor: FAP SET-UP, PRAM `REMOVE`.
2. Student: opens AUDIO and explains how announcements are made now.
3. Instructor: card case, choose another PRAM card, `INSERT`; student presses `OK` and plays an announcement.

Expected: *PRAM REMOVED - INSERT THE NEW CARD, THEN PRESS OK*; AUDIO page *NO PRAM CARD - PRERECORDED ANNOUNCEMENTS NOT AVAILABLE*; boarding music off; SYSTEM INFO *NO PRAM IN SLOT*. Student answer: announcements are read with the **handset**. After OK: *PRAM LOADED - PRAM CARD ...*; the announcement plays with the new card's voice.



FAP SET-UP: PRAM removed.



AUDIO without a PRAM card.

B · New CAM

1. Instructor: change the CAM to **CAM B** (REMOVE, INSERT, OK).
2. Student (code 318): LAYOUT SELECT, choose a CAM B layout, LOAD, then check CABIN LIGHTING.

Expected: *CAM INSERTED - LOAD A LAYOUT ON LAYOUT SELECTION*; the page lists CAM B's layouts and says the active layout is still from the ORIGINAL CAM; after LOAD: *LAYOUT 1 LOADED*

(CAM B) and the lighting zones change. With FLIGHT PHASE FLIGHT: *LAYOUT SELECTION NOT AVAILABLE - IN FLIGHT*.

C · OBRM

With OBRM 037A in the slot (or the slot empty), SW LOAD (code 813) shows amber or *IN SLOT NONE*; LOAD SW gives *NO OBRM IN SLOT* when it is empty. RESET SIMULATOR puts the original cards back.

CHAPTER 15

Assessment Checklist

Student		**Date**	
Device / code		**Instructor**	

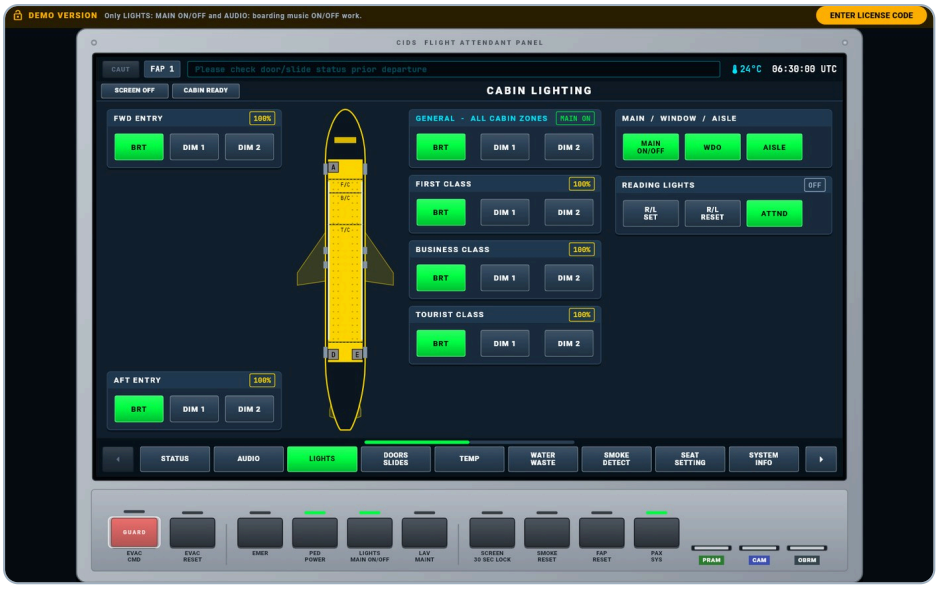
#	Task (student does it without help)	Pass	Retry
1	Names the header parts, page tabs, hard keys and card slots.	☐	☐
2	Reads CABIN STATUS and explains green, amber and red.	☐	☐
3	Sets boarding lighting (GENERAL BRT, MAIN, ATTND).	☐	☐
4	Starts and adjusts boarding music; plays 010 with DIRECT PLAY.	☐	☐
5	Detects a door left open before arming and reacts correctly.	☐	☐
6	Cross-checks all eight exits and sends CABIN READY.	☐	☐
7	Identifies and reports a deployed slide.	☐	☐
8	Builds a MEMO list in the right order and uses PLAY ALL / STOP.	☐	☐
9	Handles a lavatory smoke alert (SMOKE RESET + crew actions) and explains when it clears.	☐	☐
10	Uses the guarded EVAC CMD and EVAC RESET.	☐	☐
11	Explains CAPT vs CAPT & PURS and a cockpit-commanded evacuation.	☐	☐
12	Answers passenger calls, uses CALL RESET and inhibits a seat.	☐	☐
13	Adjusts zone temperature and knows the ±2.5 °C limit.	☐	☐
14	Recognises a full waste tank and its effect on the lavatories.	☐	☐
15	Explains CIDS DIR fault and CIDS 1+2 FAULT consequences.	☐	☐
16	Opens a CAM page with the access code and loads a layout.	☐	☐
17	Reads the passenger signs and links the low chime to a sign change.	☐	☐
18	Uses CAUT / the info row to find a new event and resets a lavatory call.	☐	☐
19	Explains cockpit PA priority and why the PRAM stopped.	☐	☐
20	Explains PRAM as an airline option and makes announcements without it (handset).	☐	☐

Result: ☐ Competent ☐ Needs more practice **Instructor signature:** _____

CHAPTER 16

Troubleshooting & FAQ

Problem	Solution
"Invalid license code"	Check capital and small letters. FAP codes start with A320-; MCDU codes do not work here.
"Already used on another device"	Release the code on the admin page, then activate it on the new device.
"No internet connection"	Activation and updates need internet. Classroom use does not.
"Too many attempts"	Wait 15 minutes after five wrong codes.
App back on the activation screen	The code was released on the admin page. Enter a valid code.
New version	Offered at start, or ⚙ SETTINGS → CHECK FOR UPDATES. Devices still on v3.9 must install v4.0 once from the website; after that updates come in the app.
No announcements or music	The PRAM card was removed on FAP SET-UP: insert one (INSTRUCTOR > MAINT.) and press OK, or RESET SIMULATOR.
LAYOUT SELECT not available	Ground only and needs a CAM: set FLIGHT PHASE GROUND (INSTRUCTOR > COCKPIT) or insert a CAM.
Windows: "Windows protected your PC"	More info → Run anyway. The app is not code-signed.
No sound	Device volume, MUTE in INSTRUCTOR > SIMULATOR, CHIME INHIBIT, FAP SET-UP volume, LEVEL ADJUST.
Screen black	SCREEN OFF: touch the screen. SCREEN 30 SEC LOCK: wait for the countdown.
A page asks for a code	318 for CABIN PROG, LAYOUT SELECT, LEVEL ADJUST; 813 for SW LOAD.
Demo asks for a license	The demo includes only MAIN ON/OFF and boarding music.
Start a drill again	RESET DRILL (doors) or RESET SIMULATOR (everything).



Demo version with the amber bar.

CHAPTER 17

Limitations & Important Notice

Real A320 functions not included

- Door / slide bottle pressure indication; screen auto-off and wake-up password.
- Mandatory layout mode (unreadable CAM); MCDU simulator menu page (maintenance; see the separate A320 MCDU Trainer); CFDS / BITE tests.
- Integrated PRAM page variant and CAM-B graphics; up to six airline lighting scenarios (the three standard presets are taught).
- Automatic emergency announcements; oxygen masks, BRACE and ditching controls (not FAP functions); cabin entertainment (separate IFE system).
- Attendant panels AIP / ACP / AAP and interphone handsets (separate systems); cargo smoke detection (cockpit system).

Announcement wording, music channels, layouts, access codes and levels are one typical configuration; each airline sets its own through the CAM.

Important notice & disclaimer

This software (A320 FAP Simulator) is developed by Overdrive Interactive for academic, familiarization, and educational training purposes only.

1. **NOT AN OFFICIALLY CERTIFIED FTD:** This application is a classroom supplement and is NOT certified by Airbus, FAA, EASA, CAAP, or any civil aviation authority for official type-rating or flight training credits.
2. **NO AFFILIATION:** "A320" and related aircraft trademarks belong to Airbus. Overdrive Interactive is an independent entity with no official endorsement or affiliation with Airbus.
3. **ACCURACY & LIABILITY:** While modeled for realistic interaction, operational variances may exist. This software must NOT be used for real-world aircraft operation, checklist validation, or actual emergency procedures. Overdrive Interactive assumes no liability for misuse.

Always follow your airline's cabin crew operations manual and your approved training programme.

> **LINKS**
> Download, User Manual & tutorial: `opulencecircle82.github.io/OI/fap` · Admin: `opulencecircle82.github.io/OI/admin`