



# CREWCALC

## iPad User Guide

Pay, trips, OOOI, fatigue, career tools, and encrypted sync — explained step by step.

### DESIGNED FOR THE 11-INCH IPAD

All app images use synthetic demonstration data captured from the iPad Pro 11-inch simulator.

CrewCalc helps you organize flight-pay information, estimate upcoming pay, review trips, track OOOI times, and understand fatigue and career information in one place.

Applies to: CrewCalc 2, build 20, internal TestFlight edition for iPad

Reviewed: July 16, 2026

**Important:** CrewCalc is a personal decision-support tool. Pay, tax, contract, retirement, seniority, and fatigue results are estimates. Compare important results with official company records, the current contract and published rates, tax guidance, plan administrators, official policy, and your own judgment.

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CREWCALC / IPAD USER GUIDE

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# Start Here

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Complete these steps in order on a new or reinstalled iPad:

1. Launch CrewCalc and choose Sign In or Create Account on the entry screen.
2. Wait for sign-in, key creation, and the first vault restore to finish before entering new information.
3. Keep Sync with crewcalc web and Encrypt local vault on unless you intentionally want local-only changes after sign-in.
4. If Ledger does not already contain a recent regular paycheck, import one.
5. Open Settings, review the values populated from the paystub, correct anything incomplete, and tap Save.
6. Tap Sync Now and wait for the status to finish.
7. Open Pay Predict to estimate an upcoming check.
8. Open Trips to enter or import a trip.

An account is required to enter this build of CrewCalc. After signing in, web sync can be turned off, but new local changes will not move to another device until sync is enabled again.

# The Order of Operations

If you are brand new and wondering where to begin, this is the whole app in one page. CrewCalc is built around a simple idea: feed it the paperwork the company already gives you, in this order, and it tells you whether your paycheck is right.

## What to import, in order

1. A paystub — first. Money → Ledger → Import. Paste it or add the PDF.

One recent regular check is enough to start; more history makes everything smarter. This teaches CrewCalc your rates, your withholding, and your deductions.

2. Your payroll register — second. Career → Accruals → Import. The

register is the company's own running scoreboard (JA, sick, vacation, MIL bank, block hours paid). CrewCalc uses it to audit your checks against what the company recorded.

3. Your trips — third. Schedule → Trips → paste a Crew Access trip or

import a screenshot. Now CrewCalc knows what you are *\*scheduled\** to earn, shows which pay rig wins the trip, and predicts the check before payday.

4. OOOI photos — as you fly. Schedule → OOOI → photograph the CDU OOOI

page after each leg. These are your actual times. When a trip runs long, CrewCalc recomputes the trip from what you really flew and shows the difference — automatically.

Do steps 1 and 2 once and you are set up. Steps 3 and 4 become the routine: import the trip when it is awarded, photograph OOOI as you fly it.

## How to know you are being paid correctly

When a paycheck lands, do these three checks — about two minutes:

1. Import the new paystub (Ledger). CrewCalc reconciles it on the spot:

the Reconcile view compares the check against your imported registers and trips, line by line. Green means it matches the company's own records. A flagged line names the specific category and the size of the gap — that is the line to question.

2. Open the trip you just flew (Trips). If it shows AS FLOWN with an

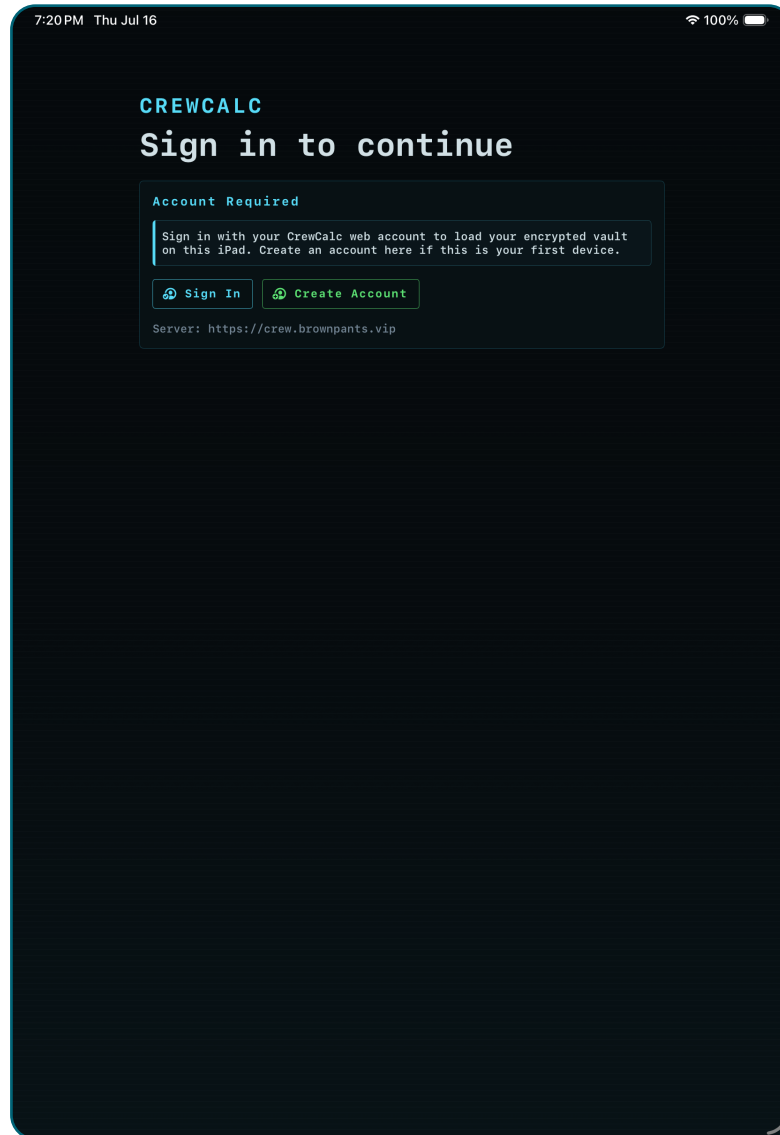
increase, the flown reality paid more than the schedule — check that the credit on your register matches the as-flown number, not the scheduled one.

3. Glance at Accruals. The register summary shows JA, bank balances,

and paid block hours as the company sees them. If a balance moved in a way you did not expect, the register import that shows it is your evidence.

Everything else in the app — Pay Predict, Late Arrival, fatigue analysis, tax annuals — builds on those same imports. You never need to type in what a document already says: import it and let CrewCalc read it.

# Sign In or Create an Account



Sign In or Create an Account | iPad Pro 11-inch | Synthetic demonstration data

## Sign in to an existing account

1. Tap Sign In on the entry screen.
2. Enter your CrewCalc username or 7-digit GEMS number and password.
3. Leave the server address unchanged unless you were specifically given another address.
4. Choose whether to protect the encryption key with Face ID.

5. Tap Sign In and keep CrewCalc open while the encrypted vault restores.
6. Open Settings, find Account & Sync, and verify the account name and last-sync status.

Your password never leaves the iPad. CrewCalc derives the login value on the device and sends only the derived value.

## Create a new account

Use account creation only when you have been authorized to use this internal TestFlight edition and do not already have an account.

1. Tap Create Account on the entry screen.
2. Choose a username containing 3–30 lowercase letters, numbers, or underscores.
3. Create and confirm a strong password of at least 12 characters.
4. Enter your 7-digit GEMS number.
5. Leave Protect key with Face ID on when available.
6. Tap Create Account and wait while CrewCalc creates the encryption key.
7. Save the password in your password manager before continuing.

CrewCalc cannot reset your password or decrypt the synced vault without it. The password is required after reinstalling CrewCalc or setting it up on another device.

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# Allow iPad Permissions

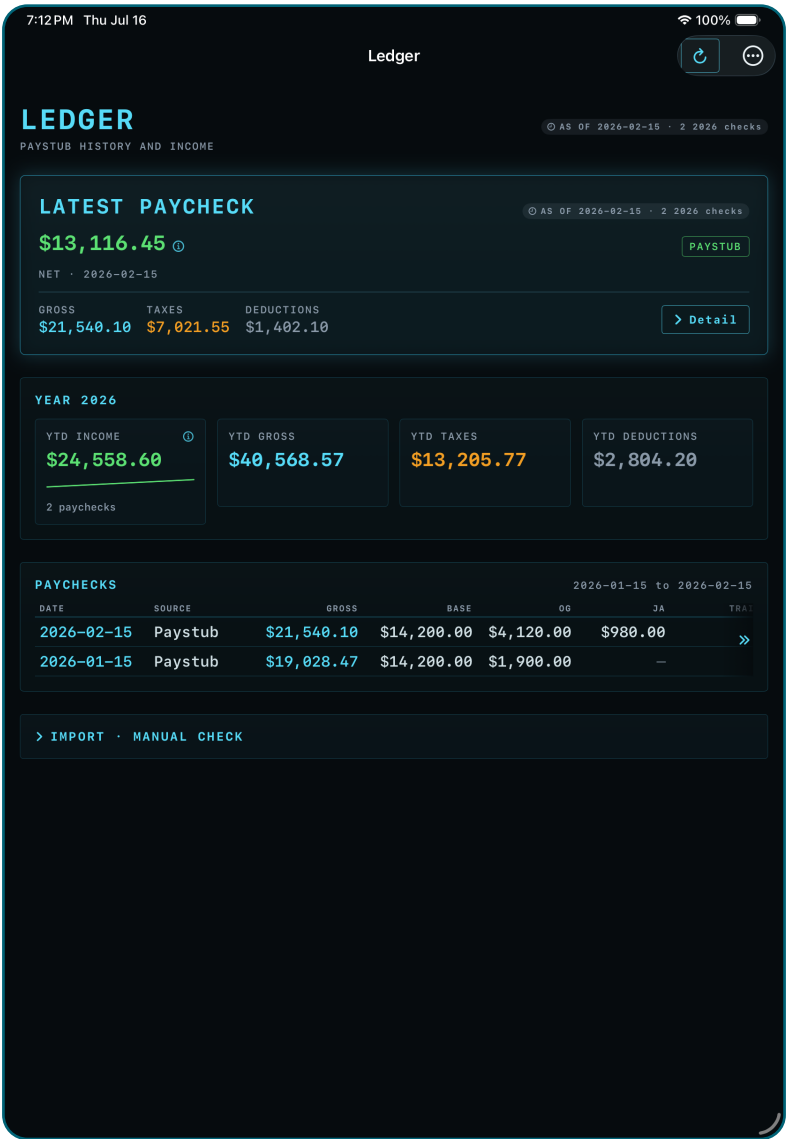
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CrewCalc asks for permissions only when a related feature is used:

- Face ID protects the local encryption key or locks the app interface. The two controls are separate.
- Camera photographs the CDU OOOI page or a sleep-tracker screen.
- Photos lets you select trip, paystub, OOOI, or sleep screenshots. CrewCalc receives only the items selected through the picker.
- Notifications provides optional local bid-deadline alerts from the Dashboard.
- Files uses the iPad document picker for PDFs, screenshots, and text files selected by you.

If access was denied, open the iPad Settings app, select CrewCalc, and enable the required permission.

# Import Your First Paystub



Import Your First Paystub | iPad Pro 11-inch | Synthetic demonstration data

A recent regular Dayforce paystub is the best starting point. It adds the check to Ledger and can populate pay, tax, withholding, and recurring-deduction defaults.

## Import one pasted paystub

1. Open Ledger.
2. Tap Import Paystub on an empty Ledger. If checks already exist, expand Import · Manual Check.

3. Paste the paystub text or use the import control in the sheet.
4. Review the resulting check after it is saved.

## Import one or more files

1. Expand Import · Manual Check and tap Import Files.
2. Select PDFs, screenshots, or text files.
3. In Review Paystubs, verify each recognized file's pay date, gross, and net.
4. Turn off any incorrect or unwanted item. Unrecognized files cannot be selected.
5. Tap Save N, where N is the number selected.
6. Open each saved check's Detail to inspect taxes, deductions, reimbursements, and year-to-date values.

The multi-file review screen does not edit parsed values. If a check is wrong, deselect it before saving. If already saved, delete and reimport it or add a manual check.

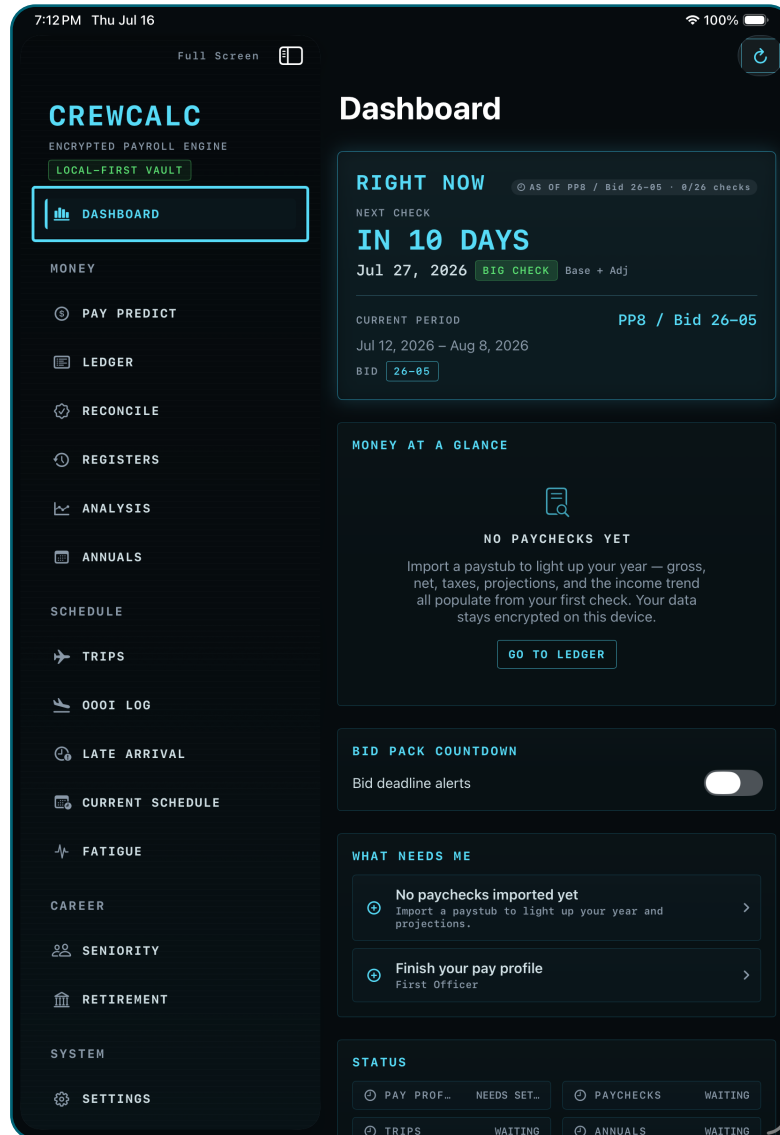
Check every import: OCR can misread decimal points, minus signs, dates, and small characters. A successful import means CrewCalc recognized the document; it does not guarantee every value is correct.

## Add a check manually

1. Expand Import · Manual Check.
2. Enter the pay date, gross, taxes, deductions, and net.
3. Tap Add Check.

Manual checks provide basic history. Imported checks usually provide more detail for analysis and reconciliation.

# Find Your Way Around



Find Your Way Around | iPad Pro 11-inch | Synthetic demonstration data

On iPad, the main sections appear in the left sidebar. Use the sidebar button when the list is hidden.

## Money

- Pay Predict estimates an upcoming paycheck.
- Ledger stores actual checks and saved projections.
- Reconcile compares estimates, registers, OOOI records, trips, and actual checks.

- Registers tracks pay credit, sick time, and vacation balances.
- Analysis shows income, withholding, tax, FICA, and projection estimates.
- Annuals stores annual statements and year-over-year totals.

## Schedule

- Trips calculates trip credit, gross pay, duty details, and pay triggers.
- OOOI Log records OUT, OFF, ON, and IN times.
- Late Arrival compares late-arrival methods and estimates applicable pay.
- Current Schedule places the current time on a saved trip and shows modeled alertness.
- Fatigue scores a saved trip using the CFM-1 model and sleep inputs.

## Career

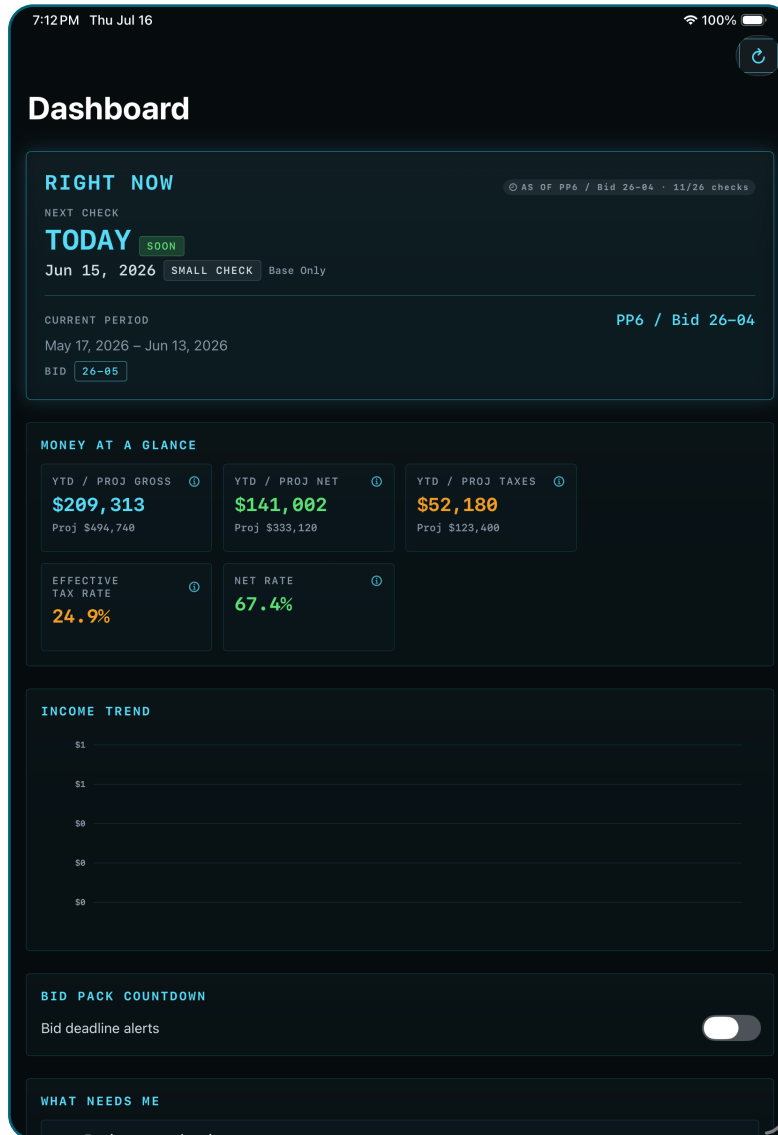
- Seniority finds your position in an imported or server-provided seniority list.
- Retirement models A-Plan, B-Plan/MPP, 401(k), Social Security, and retirement income.
- Military appears under Retirement when the military profile is enabled and contains military retirement and benefit assumptions.
- Res/Grd Military appears when the military profile is enabled and contains LES, points, and drill-pay working data.

## System

- Settings contains profile, pay, tax, fatigue defaults, account, sync, encryption, and app-lock controls.

Snapshot is not an iPad sidebar section in build 20. When needed, use the web-only Snapshot experience at <https://crew.brownpants.vip>.

# Use the Dashboard



Use the Dashboard | iPad Pro 11-inch | Synthetic demonstration data

The Dashboard summarizes the current pay period, next check, recent pay, data that needs attention, and other current status information. Tap a status item to open its related section. Use Reload after a large import if the summary has not refreshed automatically.

## Bid-deadline alerts

The Bid Pack Countdown uses the saved seat/profile and the current server bid timeline.

1. Turn on Bid deadline alerts.
2. Allow notifications when iPadOS asks.
3. Confirm the card lists the intended fleet, bid period, and number of scheduled alerts.

These are local notifications scheduled on the iPad. If the Dashboard says alerts are blocked, enable notifications for CrewCalc in the iPad Settings app. If bid events are unavailable, confirm the iPad is online and the CrewCalc account is signed in.

# Configure Settings

**SETTINGS**  
PROFILE, PAY, TAX, AND CFM-1 DEFAULTS

**Profile**

Captain

Married

State  County

Training center instructor ☐

Military profile ☐

**CFM-1 Fatigue Defaults**

These values seed Trips fatigue normalization only. Prior rest, actual sleep, layover sleep, and bunk sleep stay editable on each trip.

Home base  Body-clock time zone

Body-clock UTC offset  Station time zone

Station UTC offset

**Rates**

Base hourly  VEBa hourly

Pay periods

**Per Diem Rates**

Hourly per diem for all time away from domicile (report to release) on trips with a layover (Art. 12.G). The Company re-establishes these rates each January (Art. 12.G.4) - update them to the current year's published values. Defaults are the contract's initial 2016 rates.

Domestic hourly  International hourly

Pacific Rim hourly  Europe hourly

**Withholding**

Federal

Fallback rate only - imported paystubs calibrate federal withholding automatically and override this.

Social Security

Medicare

**Deductions**

Union dues

Roth 401k

Roth 401k catch-up

Traditional 401k

Configure Settings | iPad Pro 11-inch | Synthetic demonstration data

Import a recent regular paystub before changing Settings. CrewCalc uses the import to populate many values, so Settings should normally be a review screen rather than the first place data is entered.

## Profile

1. Confirm crew position, filing status, state, and county.
2. Turn on Training center instructor only when applicable.

3. Turn on Military profile to show Military and Res/Grd Military tools.

## Rates and per diem

Verify the base hourly rate against the source paystub. If applicable, review the training rate, VEBA rate, and number of pay periods.

The bundled per-diem values are the contract's initial 2016 defaults, not current operational rates. Replace them with the current published domestic, international, Pacific Rim, and Europe values before relying on a trip result.

## Withholding and deductions

Review imported withholding percentages and recurring fixed deductions. Percent fields are percentages; fixed fields are dollar amounts.

The federal percentage in Settings is a fallback. Pay Predict automatically uses an imported paystub-calibrated withholding profile when available and otherwise uses the federal tax-table calculation. Build 20 has no federal-tax-table toggle.

## Fatigue defaults and time zones

Enter the home base, body-clock time zone, and station time zone. Use a recognized time-zone identifier such as America/New\_York, America/Los\_Angeles, or UTC; also verify the displayed UTC offset.

The body-clock zone describes the zone to which you are acclimated. The station zone helps interpret local schedule inputs. Prior rest, actual sleep, layover sleep, and bunk sleep remain editable for each trip.

## Save and sync

Tap Save in the top-right corner and wait for Saved. Then use Sync Now under Account & Sync when an immediate upload is needed.

# Predict the Next Paycheck

7:12 PM Thu Jul 16 100%

Pay Predict

## PAY PREDICT

IS MY NEXT PAYCHECK RIGHT?

### YOUR NEXT NET

PROJECTED NET HOW THIS IS COMPUTED

**-\$74.00**

| GROSS  | TAXES  | DEDUCTIONS | NET      |
|--------|--------|------------|----------|
| \$0.00 | \$0.00 | \$74.00    | -\$74.00 |

**SAVE THIS PROJECTION**

The net above recalculates live. Save writes this projected check to Ledger for comparison and annual totals.

[Save Projected Check](#)

### GROSS → NET FLOW

Gross earnings, then what taxes and deductions remove, then the net that lands. Tap a bar to read its value.

| Gross | Taxes | Deductions | Net   |
|-------|-------|------------|-------|
| \$0   | \$0   | \$74       | -\$74 |

### THE WORKSHEET

Drag a value sideways to scrub it, or tap to type. The net above updates as you change any input.

[Use Next Scheduled Check](#)

| HOURS                                           | ADDITIONAL EARNINGS                                       |
|-------------------------------------------------|-----------------------------------------------------------|
| BASE <input type="text" value="37.50"/>         | PREMIUM <input type="text" value="\$0.00"/>               |
| OPEN TIME <input type="text" value="0"/>        | INTERNATIONAL PREMIUM <input type="text" value="\$0.00"/> |
| JA <input type="text" value="0"/>               | TAXABLE PER DIEM <input type="text" value="\$0.00"/>      |
| TRAINING DAY/OFF <input type="text" value="0"/> | OTHER EARNINGS <input type="text" value="\$0.00"/>        |
| VACATION <input type="text" value="0"/>         | REIMBURSEMENTS <input type="text" value="\$0.00"/>        |

Predict the Next Paycheck | iPad Pro 11-inch | Synthetic demonstration data

Open Pay Predict to build an estimate.

1. Confirm the scheduled check date or tap Use Next Scheduled Check.
2. Review regular pay, additions, reimbursements, taxes, and deductions.
3. Check the displayed Federal basis. An imported paystub-calibrated profile takes priority; IRS taxable calculation is the automatic fallback.
4. Review Your Next Net and Gross to Net Flow.

5. Tap an information control to see how a value was calculated.
6. Tap Save Projected Check when you want to compare the estimate with later actual information.

For better calibration, import a representative regular paystub. A buyoff, unusual adjustment, or one-time check may be a poor baseline.

## Send a trip to Pay Predict

In Trips, load the trip and tap Send to Pay Predict. CrewCalc adds it to the worksheet and opens Pay Predict. Review the complete worksheet before saving.

A saved projected check is labeled as a projection and written to Ledger. It is not proof of actual pay, but it is used by comparison and annual-projection tools.

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# Review Pay History in Ledger

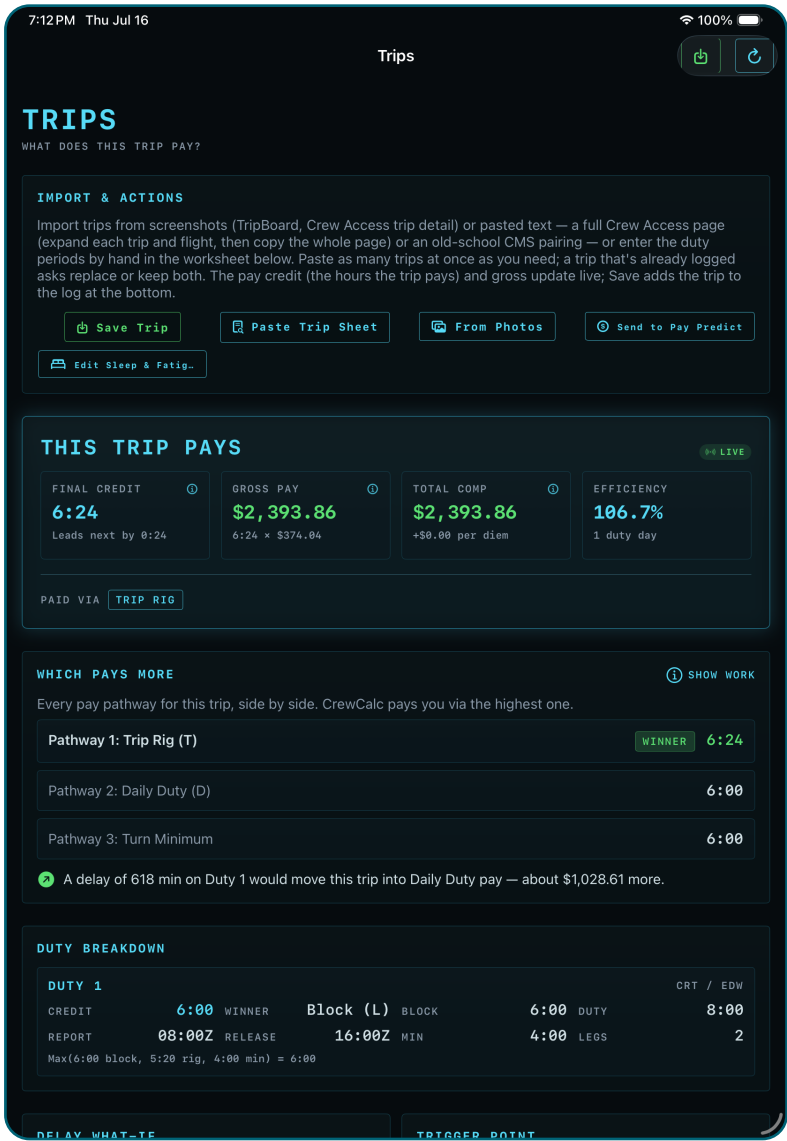
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Ledger contains imported checks, manual checks, and saved Pay Predict projections.

- Latest Paycheck shows the newest actual check.
- Year totals summarize actual entries for the selected pay year.
- Total Pay is gross plus non-taxable reimbursements such as applicable per diem. Reimbursements do not become taxable gross.
- Paychecks lists actual and projected entries with their source labels.
- Detail shows earnings, taxes, deductions, reimbursements, and calculation provenance.
- How net was computed explains the values used for net pay.

To remove one entry, open its menu and choose Delete Paycheck. Clear Ledger removes imported checks, manual checks, and saved projections from the device.

# Analyze and Save Trips



Analyze and Save Trips | iPad Pro 11-inch | Synthetic demonstration data

The Trips screen answers What does this trip pay? It calculates the currently loaded worksheet live; a trip is not added to the log until it is saved.

## Import a trip

Supported sources include:

- TripBoard screenshots.

- Crew Access trip-detail screenshots.
- A full Crew Access page pasted after every trip and flight is expanded.
- Old-style CMS pairing text.
- Manual duty-period entry in The Worksheet.

Tap Paste Trip Sheet for copied text or From Photos for screenshots. A full roster-page import keeps trips from today forward.

When several trips are detected, use the picker to inspect each one. Tap Save N Trips to save the batch, or Save Selected Trip for only the displayed trip. Unsaved imported drafts are discarded when you leave Trips.

If an imported report date conflicts with a logged trip, CrewCalc asks what to do:

- Replace Existing Trip updates the logged entry.
- Save as Separate Trip keeps both.
- Skip This Trip leaves the existing trip unchanged during a batch.

## Enter a trip manually

1. Enter the trip number and report date in The Worksheet.
2. Add each duty period.
3. Enter report, release, block, deadhead, duty type, and other requested values.
4. Review the live result.
5. Tap Save Trip.

## Read the result

- Final Credit and gross pay show the current estimate.
- Which Pays More compares applicable credit methods.
- Duty Breakdown explains each duty period.
- Delay What-If shows how a delay could change credit.
- Trigger Point shows the nearest pay breakpoint.
- Trip Log contains saved trips with readable trip number, report date, and station routing such as SDF-MDW-BOS-SDF.

A starred delay note such as Delay 47m = +\$210 is a planning reminder that the modeled delay crosses a better-paying method. Open the full trip analysis to inspect the assumption; the star is not a pay promise.

## International duty limits

CrewCalc infers international crew complement from scheduled block time, not a parsed Crew line:

- Up to 7:45 scheduled block: non-augmented.

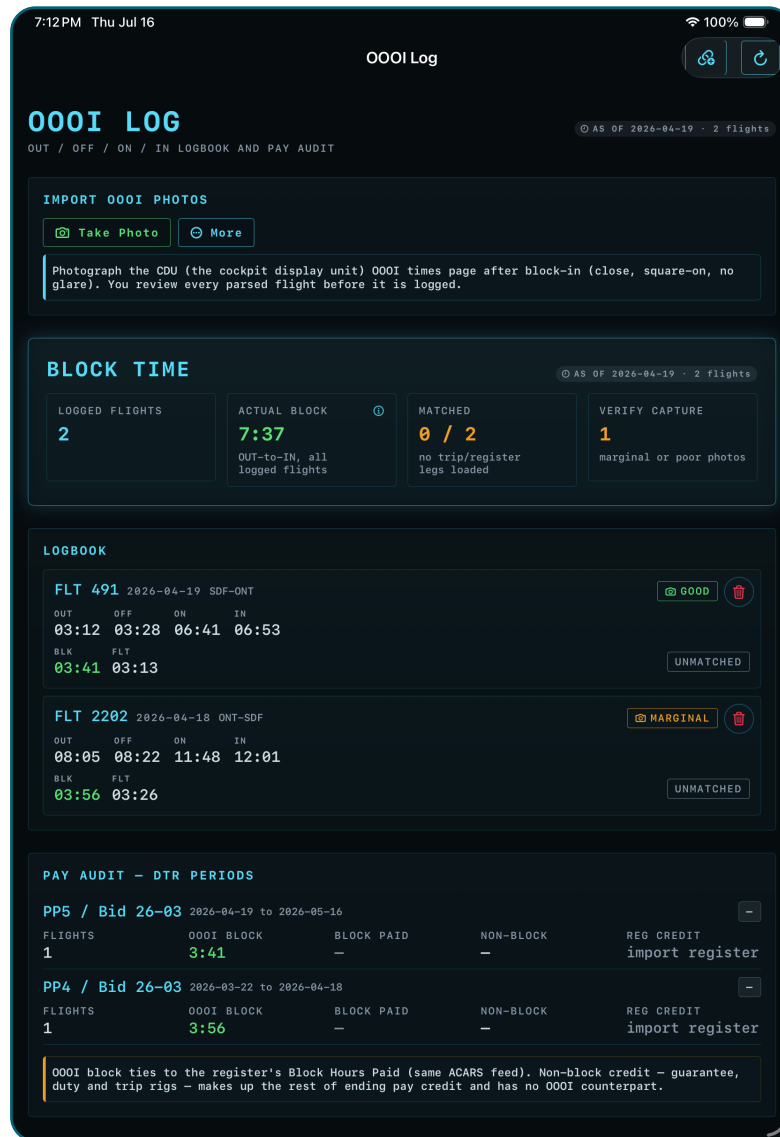
- 7:46 through 12:00: augmented, three pilots.
- More than 12:00: double crew, four pilots.

These bands change the scheduled, soft, and hard duty-limit warnings. Confirm the schedule, trip type, segment count, and current contract before acting on a warning.

## Automatic Zulu-time repair

After an app update or synced trip change, CrewCalc may repair stored trip clock values and show Recomputed N saved trips with corrected Zulu times. This is an automatic local correction; do not reimport the trips unless their displayed source data is still wrong.

# Record OOOI and As-Flown Results



Record OOOI and As-Flown Results | iPad Pro 11-inch | Synthetic demonstration data

OOOI means OUT, OFF, ON, IN. CrewCalc can parse the final CDU page or accept a fully manual record.

## Capture and import

1. After the flight, photograph the final OOOI page close-up, square to the display, and without glare.
2. Open OOOI Log and tap Take Photo.
3. To use an existing image or file, open More and choose the photo-library or file option.

4. To avoid OCR, choose Enter Manually.
5. Review date, flight number, stations, tail number, and all four times.
6. Save the reviewed record.

Use a record's edit action to correct saved fields or tail number. Delete a record only after confirming that it is not needed by Trip or Register matching.

## CrewBook exchange

After review and save, the parsed OOOI record—not the raw photo—is shared with a current CrewBook installation on the same device. The exchange is bidirectional: CrewBook can also provide a reviewed record to CrewCalc. Build 20 does not provide this exchange across devices.

## As-flown trip credit

When a saved OOOI record matches a saved trip, CrewCalc substitutes actual OOOI block time leg by leg. Unmatched legs retain their scheduled block. Duty rig and trip rig remain schedule-based.

The Trip Log displays AS FLOWN when the saved trip has been updated from matching actuals. Review the result against the Flight Payroll Register; it remains an estimate, not a pay claim.

The Block Time panel summarizes flying, Logbook lists records, and Pay Audit compares matching OOOI and register periods. Use Repair Links when records should match but do not.

# Calculate Late-Arrival Pay

7:12PM Thu Jul 16

Late Arrival

100%

LATE ARRIVAL

GOT IN LATE? CHECK WHAT ART. 13.E.4 OWES YOU

LIVE

Report, scheduled arrival, actual arrival (block-in), and off-duty values are Zulu clock times. Block, trip credit, and AP values are durations. Eligibility compares actual arrival to scheduled arrival (Art. 13.E.4.e).

LATE-ARRIVAL PAY

ELIGIBLE

\$2,244.24

LP1  
6:00 pay credit

|             |                               |                 |      |                  |                     |
|-------------|-------------------------------|-----------------|------|------------------|---------------------|
| ELIGIBILITY | ELIGIBLE                      | DELAY           | 5:01 | THRESHOLD GAP    | +1:01               |
| PATH        | Path 1                        | PAYROLL CODE    | LP1  | RATE             | 150%                |
| LATE WINDOW | 2026-07-17<br>12:00Z to 20... | WINDOW DURATION | 5:31 | ESCALATION       | 150% under<br>25:00 |
| PREMIUM     | 4:00                          | DISPLAY HOURS   | 6:00 | TOTAL PAY CREDIT | 6:00                |

INPUT

ManualPaste

TRIP & CREW

|                            |                                          |                                |                                     |                                  |                                    |
|----------------------------|------------------------------------------|--------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| SCHEDULED ARRIVAL DATE     | 2026-07-17                               | ACTUAL ARRIVAL (BLOCK-IN) DATE | 2026-07-17                          | ACTUAL OFF-DUTY DATE             | 2026-07-17                         |
| SCHEDULED ARRIVAL TIME     | 1200                                     | ACTUAL ARRIVAL (BLOCK-IN) TIME | 1701                                | ACTUAL OFF-DUTY TIME             | 1731                               |
| HOURLY RATE                | \$374.04                                 | ORIGINAL CREDIT                | 0:00                                | REVISED CREDIT                   | 0:00                               |
| TRIP TYPE                  | Domestic                                 | DELAY CAUSE                    | Oth...                              | DOMICILE                         | SDF                                |
| AP CODES                   | AP1 - Extra Duty Period                  | AP2 - Change of Layover        | AP3 - Trip Canceled and Substituted | AP4 - High Mins CPT/FAR legality | AP5 - Illegal to fly original trip |
| AP7 - Report >1:00 earlier | AP8 - Turn Trip Canceled and Substituted | AP6 - Added stop               |                                     |                                  |                                    |

PAYROLL

Calculate Late-Arrival Pay | iPad Pro 11-inch | Synthetic demonstration data

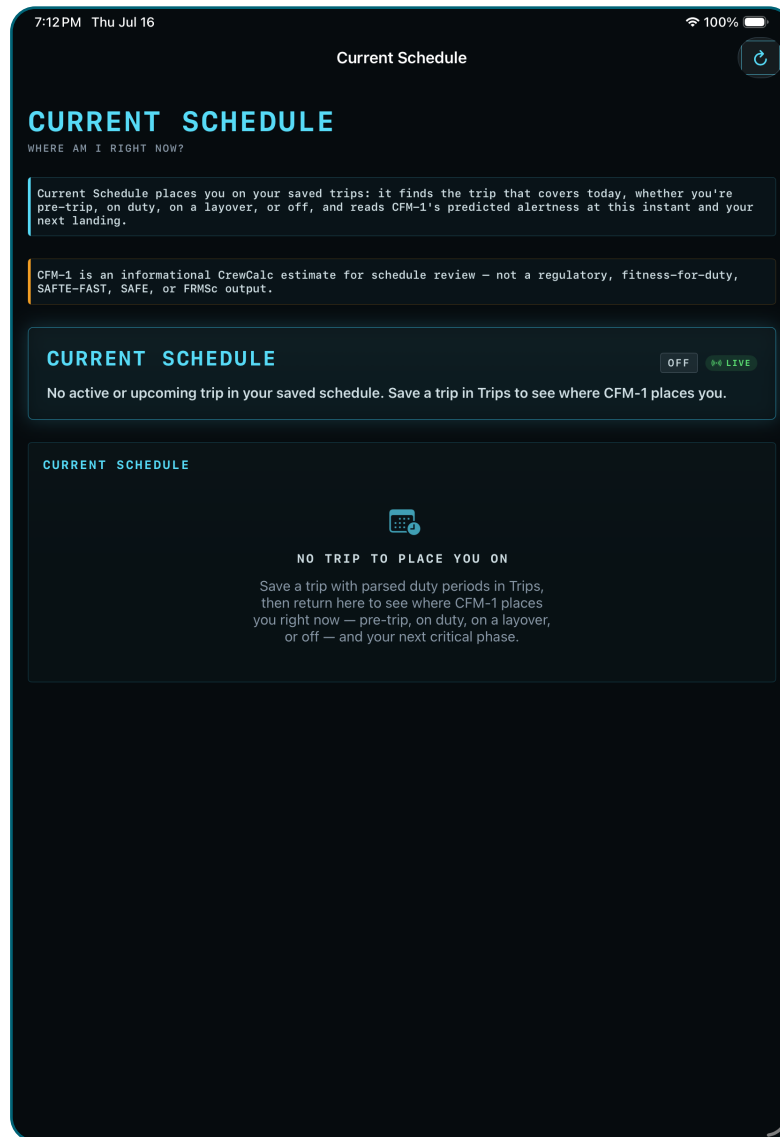
Late Arrival models Article 13.E.4 methods and related revision premiums.

1. Open Late Arrival.
2. Choose manual entry or paste available trip information and tap Parse Paste.
3. Enter scheduled arrival, actual arrival, and actual off-duty values in Zulu.
4. Confirm trip type, domicile, delay cause, original and revised trip credit, and hourly rate.
5. Add the applicable duty periods.

6. Select applicable AP/revision codes and enter the number of separate revision notifications. The notification count—not the number of selected code labels—drives the repeated 2:00 premium.
7. Review Late-Arrival Pay, eligibility, Payroll, Duty Periods, and Method Comparison.

The displayed code and dollars identify what may be worth reviewing with Payroll. They do not establish eligibility or guarantee payment. Preserve the source schedule, actual times, and each revision notification, and compare the result with the current contract and register.

# Review Current Schedule and Fatigue



Review Current Schedule and Fatigue | iPad Pro 11-inch | Synthetic demonstration data

Both sections need a saved trip with usable dates and duty times.

## Current Schedule

Current Schedule places the present time on the active saved trip.

- Current Schedule identifies pre-trip, on-duty, layover, or off status and shows Alertness Now when available.

- Fatigue Timeline is anchored at NOW and shows the modeled alertness trend.
- Next Critical Phase identifies the next modeled high-attention event.
- Window of Circadian Low shows the next body-clock low period.

Tap Reload after editing a trip if the current placement has not refreshed.

## Fatigue

1. Open a saved trip and tap Edit Sleep & Fatigue, or open Fatigue and choose the trip.
2. Enter actual prior rest, sleep amount and timing, sleep quality, efficiency, layover sleep, and applicable bunk sleep.
3. Use Import Sleep Screenshot or the camera to read a compatible sleep-tracker screen, then verify every imported value.
4. If detailed sleep is unavailable, enter the last-72-hours shortcut or choose Score With Basic Assumptions.
5. Review the CFM-1 score, duty-by-duty explanation, drivers, and data-quality information.

The two displayed scales move in opposite directions:

- KSS: 1 is alert and 9 is very sleepy. Higher is worse.
- Alertness Index: higher is better. The chart describes 100 as fresh and 50 as struggling.

Results based on actual verified sleep are more personal than results based on assumptions. HealthKit sleep import is not available in build 20.

**Safety note:** CrewCalc cannot measure fitness for duty. CFM-1 is informational and is not a regulatory, medical, SAFTE-FAST, SAFE, or FRMSc result. Never use a favorable score to override symptoms, official policy, medical advice, or your own safety judgment.

# Review Registers and Accruals



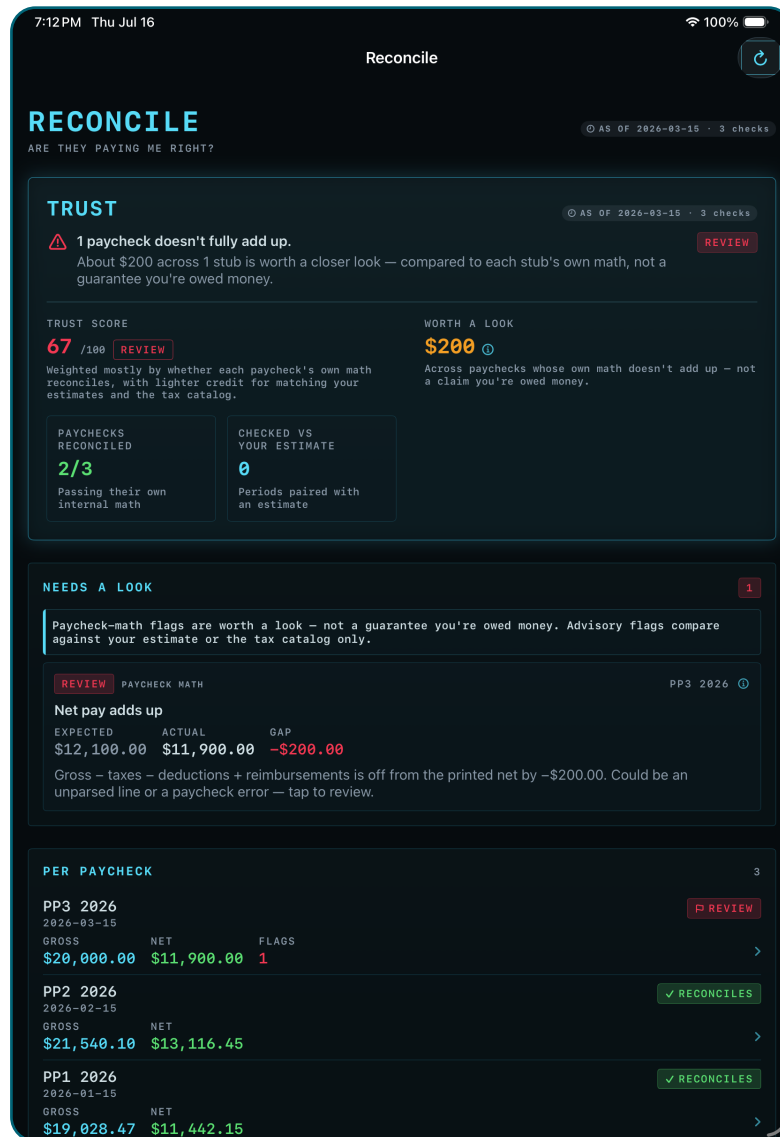
Review Registers and Accruals | iPad Pro 11-inch | Synthetic demonstration data

Use Registers for Flight Payroll Register information.

1. Tap Import Register, paste the register text, and import it; or expand the inline editor and tap Paste Register Text.
2. Tap Parse Register when using the inline editor.
3. Review register date, pay credit, sick balance, vacation balance, guarantee mapping, and warnings.
4. Compare the saved period with the source register.

Register status comes from the imported document. CrewCalc may explain mapped guarantees or thresholds, but the company register remains authoritative.

# Reconcile Estimates With Actual Pay



Reconcile Estimates With Actual Pay | iPad Pro 11-inch | Synthetic demonstration data

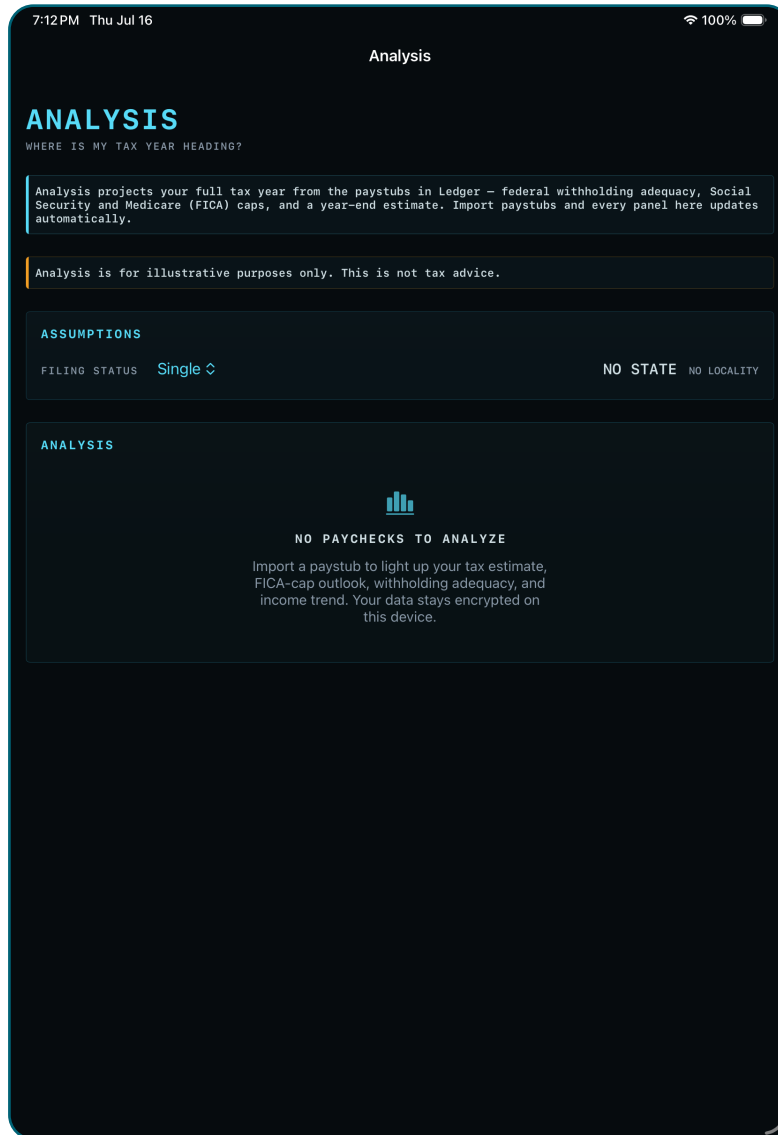
Reconcile becomes more useful as source records accumulate. For the strongest comparison, import the paystub and register, save the related trip and projection, and add matching OOOI records.

- Company Square? compares recomputed trip credit with company register credit. It is meaningful only when all trips for the period are imported.
- Trust summarizes how well the available records agree.
- Needs a Look identifies missing or inconsistent data.

- Trip-by-Trip compares saved trip details with register information.
- As Flown shows trip-credit effects from matching OOOI actuals.
- Per Paycheck compares individual periods.
- Vs Your Estimate compares saved Pay Predict projections with actual checks.
- Tax Cap Outlook provides Social Security and related context.

Start with Needs a Look, then open the detailed panel that produced the flag. Reconcile is an audit aid, not a pay claim; incomplete trip, OOOI, or register coverage can make a period appear inconsistent.

# Use Annuals and Tax Analysis



Use Annuals and Tax Analysis | iPad Pro 11-inch | Synthetic demonstration data

## Annuals

1. Tap Import Annual and paste a supported year-end statement.
2. Review the detected year and totals.
3. Save the entry.

Use Add Year for a manual annual total. Ledger Reconciliation compares the annual entry with Ledger's actual-check totals.

## Analysis

Analysis combines Settings, Ledger, Annuals, and optional spouse and military information.

- The Bottom Line summarizes the current projection.
- Annual Federal Tax Estimate estimates federal tax for the active pay year.
- Federal Withholding Adequacy compares projected liability and withholding.
- Household Income adds optional spouse values.
- FICA Impact estimates Social Security and Medicare effects.
- Income Trend and Annual Projections show longer-term patterns.
- Predictor Accuracy compares saved projections with actual checks.

When enough current-year data exists, The Bottom Line may recommend an approximate extra W-4 dollar amount per remaining check. CrewCalc rounds the break-even estimate and treats results within about \$500 as a comfort zone. It changes as actual checks and remaining-check count change, so rerun the analysis after importing new paystubs.

Tax results are estimates. Confirm withholding changes with official tax tools or a qualified tax professional.

# Use Seniority and Retirement Tools

7:12 PM Thu Jul 16 100%

Retirement

**RETIREMENT**

WHAT WILL RETIREMENT PAY EACH MONTH?

The A-Plan is the defined-benefit pension earned from credited service; the B-Plan (MPP) is the company-paid retirement contribution. Enter your hire date and CrewCalc projects monthly income at any retirement age 55-65 and audits B-Plan deposits from your paystubs.

**RETIREMENT**



**START YOUR RETIREMENT PICTURE**

Enter your company hire date to compute A-Plan credited service, the accrued pension, and your projected monthly income at any retirement age 55-65.

yyyy-mm-dd **Save**

**ASSUMPTIONS & NOTES**

METHODOLOGY & SOURCES

Use Seniority and Retirement Tools | iPad Pro 11-inch | Synthetic demonstration data

## Seniority

1. Open Seniority.
2. Enter your 7-digit GEMS number.
3. Tap Refresh from Server while signed in, or choose Import Dataset File.
4. Tap Save.

The screen can show current position, age benchmarks, retirements senior to you, and projected milestone positions. A projection depends on the roster and assumptions available at the time; official lists control.

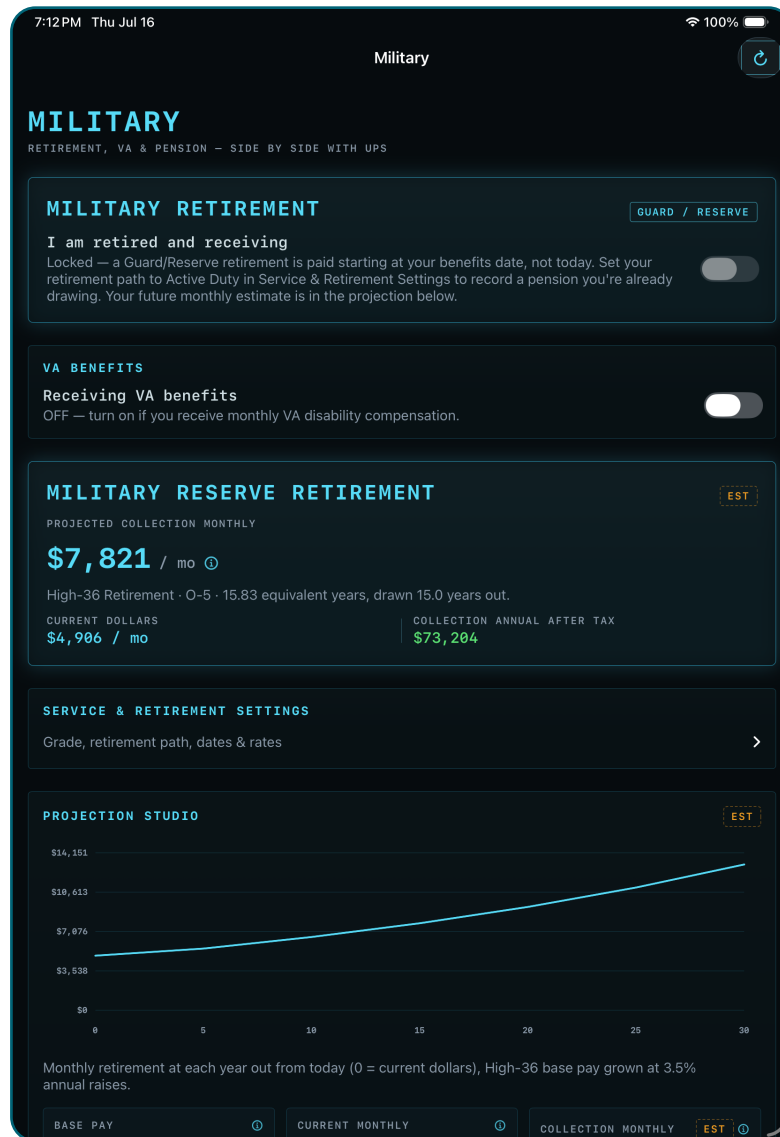
## Retirement

Retirement combines information from Settings, Seniority, Ledger, Annuals, and optional Fidelity imports. Before relying on it, review company hire date, date of birth, Social Security monthly estimate and claim age, retirement age, current balances, contributions, and growth assumptions.

- Projection Studio changes assumptions and retirement age.
- A-Plan shows the modeled greater-of formula paths and accrued/projected results.
- B-Plan / MPP uses pay history, plan compensation, employer contributions, and supported overrides.
- 401(k) uses traditional/Roth balances, deferrals, catch-up assumptions, and growth assumptions.
- Import Fidelity adds supported Fidelity contribution information; review every imported value.
- Social Security uses the monthly estimate and claim-age assumption entered by you.

The formula selector is an inspection lens; it does not change the plan's greater-of rule. Plan documents and the plan administrator are authoritative.

# Use Military Tools



Use Military Tools | iPad Pro 11-inch | Synthetic demonstration data

Turn on Military profile in Settings to show both military sections.

## Military under Retirement

Use Military for retirement and benefit assumptions, including component, pay grade, service dates, retirement collection horizon, VA benefits, currently receiving status, and military retirement projection. It appears as an indented retirement sub-section.

## Res/Grd Military

Use Res/Grd Military for working records:

- Import or manually add DFAS LES records.
- Review fiscal-year points and good-year progress.
- Compare drill-pay expectations with LES results.
- Review entitlements, deductions, taxes, TSP, and net pay.

Review parsed LES values before saving. Military income can feed Analysis, so an incorrect LES can affect the combined tax projection.

# Protect and Manage Your Data

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## Sync and local encryption

Keep Encrypt local vault on. When changing it, wait for Converting vault... to finish before closing CrewCalc. Keep web sync enabled when data should move between CrewCalc web and authorized devices.

## Face ID controls

Protect key with Face ID controls release of the encryption key. Require Face ID to open CrewCalc locks the interface after backgrounding. They are separate settings.

## Same-device recovery phrase

The optional 12-word phrase unlocks this iPad's vault if Face ID becomes unavailable or is re-enrolled. It is not a password reset and cannot restore a new or reinstalled device.

Write the words down in order and store them privately. CrewCalc displays them only during setup. Your account password remains the recovery credential for reinstalling or using another device.

## Sign out

Signing out removes account keys and synced vault data from the iPad. Server data remains and can be downloaded again by signing in with the correct password.

## Delete account

Deleting an account requests permanent deletion of the server account, server data, local keys, and the local synced copy. Type the displayed username to confirm.

If server deletion fails, CrewCalc clearly says the account and synced server data were not deleted. You may retry or choose Sign Out & Remove From This Device, which removes the local copy only and leaves the server account intact.

## Diagnostic bundles

Export Diagnostic Bundle creates a troubleshooting file that may contain payroll, schedule, trip, and personal information. Share it only with a trusted CrewCalc support contact through an approved secure method, and delete extra copies when troubleshooting is complete.

# Troubleshooting

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## An import looks wrong

1. Compare date, gross, net, flight number, stations, times, decimal points, and minus signs with the source.
2. Deselect an incorrect paystub in multi-file review rather than saving it.
3. For an already saved paystub, inspect Detail, then delete/reimport or add a manual check.
4. For OOOI or trip images, retake the photograph close-up, square to the display, and without glare.
5. Never assume an OCR success message proves the values are correct.

## My data did not appear on another device

1. Confirm both devices use the same account.
2. Confirm Sync with crewcalc web is on.
3. Tap Sync Now on the device with the newest data and wait for completion.
4. Tap Sync Now on the receiving device.
5. Read the last-sync result and diagnostics text for an error.

## Settings says Checking account

Checking account... is a temporary credentials check, often seen before the iPad has been unlocked after a reboot. It does not mean the account or vault was deleted. Unlock the iPad, keep CrewCalc open, and allow the status to resolve.

## The vault is locked

Tap Retry in the banner or Retry Unlock in Settings and complete Face ID. If a same-device phrase was created, choose Unlock with recovery phrase. Do not reinstall CrewCalc as a first troubleshooting step.

## CrewCalc says it started fresh

If CrewCalc could not open its local data file, it may start with a new local store while keeping the original on the iPad. If sync was enabled, sign in and allow the encrypted vault to restore. Do not delete the app or the retained data while requesting support.

## CrewCalc says it cannot save to this device

A memory-only warning means new entries will not persist after CrewCalc closes. Free iPad storage, keep the app open, and avoid entering important new data until normal storage is restored.

## I forgot my password

CrewCalc cannot reset it or decrypt the synced vault without it. Check the password manager used when the account was created. The same-device recovery phrase does not replace the account password.

## A screen has no results

- Pay Predict needs Settings and works best with a recent regular paystub.
- Reconcile needs actual checks and becomes stronger with projections, registers, trips, and OOOI.
- Current Schedule and Fatigue need a saved trip with usable duty periods.
- OOOI Pay Audit needs OOOI records and matching Registers.
- Seniority needs a GEMS number and seniority dataset.
- Retirement works best with Seniority, Ledger, Annuals, balances, and contribution information.

## CrewCalc shows an amber data warning

Read it before relying on the result. Dates beyond the published DTR table use an estimated 28-day pay-calendar cadence. Tax years outside the bundled tax-constant year use the latest known constants as an estimate. Verify the current DTR, IRS/SSA values, contract rules, and rates.

## Bid alerts are blocked or unavailable

For blocked alerts, enable CrewCalc notifications in iPad Settings. For unavailable bid events, check the internet connection, account status, saved seat/profile, and server availability, then reload the Dashboard.

## Before requesting support

Record the CrewCalc version and build, section name, what you expected, what happened, and the source document type. Include a screenshot that does not expose unnecessary personal data. Export a diagnostic bundle only when a trusted support contact requests it.

# Support, Privacy, and Updates

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This build is distributed through internal TestFlight. Use the support and privacy contact supplied with the TestFlight invitation. Do not post paystubs, OOOI images, schedules, recovery words, passwords, or diagnostic bundles in a public channel.

Install updates from TestFlight. Before following this edition, confirm TestFlight identifies the installed app as CrewCalc 2, build 20. A later build may change labels or calculations; use the guide issued for that build.

## Quick Glossary

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**Actual check** A paycheck already issued and stored in Ledger.

**Alertness Index** A modeled CFM-1 scale where higher values indicate better modeled alertness.

**Block time** Generally the time from OUT to IN.

**CFM-1** CrewCalc's fatigue-model implementation used to estimate alertness and KSS through a trip.

**Credit Hours** used to determine trip or paycheck compensation. Credit is not always the same as block time.

**GEMS** The 7-digit employee identifier used for account verification and seniority matching.

**KSS** Karolinska Sleepiness Scale. Higher values mean greater modeled sleepiness.

**Ledger** CrewCalc's saved history of actual paychecks and saved paycheck projections.

**OOOI** OUT, OFF, ON, and IN aircraft movement times.

**Projection** An estimate of future pay, tax, income, or retirement results.

**Register** A Flight Payroll Register used to review pay credit and accrual balances.

**Total Pay Taxable** gross plus separately tracked non-taxable reimbursements.

**Vault** CrewCalc data stored locally and, when enabled, synced in encrypted form.

**Zulu** Coordinated Universal Time, also written as UTC.