

# FlightSense

## Part 141 Compliance Overview

FlightSense simplifies FAA Part 141 compliance so your team can focus on training, not paperwork. Our digital recordkeeping system is designed to align seamlessly with FAA acceptance criteria—backed by modern automation, built-in audit readiness, and full support during your TCO or LOA update process.

*Under FAA rules, your school and course(s) are approved (e.g., your TCO and syllabi under Part 141), while a digital recordkeeping system like FlightSense is "accepted" through a review process. When you submit a Letter of Intent (LOI) notifying your POI of your plan to use FlightSense and receive an authorizing Letter of Authorization (LOA) back, your system is formally accepted. FlightSense is designed to meet today's recordkeeping needs and to smoothly support your formal acceptance—we'll help you prepare your LOI submission, provide sample data exports, and offer onboarding assistance (including user training and data migration) to ensure a fast, low-risk transition.*



**FlightSense**

## Training Records and Progress

*Ensure every training record and sign-off is FAA-ready from day one.*

### **Debrief-Based Training Logs**

Create structured, timestamped training logs that link each student, instructor, and ACS task—providing a single source of truth for audit-ready flight records.

FAA § 141.101 · AC 141-1B § 4.2 · AC 120-78B Ch. 3

### **Course Progress**

Automatically track lesson completion as training is logged, demonstrating measurable progress through your FAA-approved syllabus with real-time visibility.

FAA § 141.101 · AC 141-1B § 4.2

### **Progress & Stage Checks**

Assign and record test results for progress and stage checks with evaluating instructor sign-offs. The system captures pass/fail results with a complete audit trail for compliance documentation.

FAA § 141.85 · § 141.101 · AC 141-1B § 4.2 · AC 120-78B Ch. 3

### **Training Time & Activity Tracking**

Record total flight time, dual, solo, instrument, cross-country, and other categories while automatically comparing logged time and activity against FAA requirements for each course to identify completion gaps.

FAA § 61.65, § 61.99, § 61.109, § 61.129, § 61.313 · Part 141 Appendices A-G

## Enrollment and Certification Workflow

*Streamline student lifecycle management from enrollment through graduation.*

### **Manage Student Enrollment**

Track enrollment, graduation, transfer, and termination events for students throughout their training lifecycle with complete historical records for compliance and reporting.

FAA § 141.93

### **Enrollment Certificate Generator**

Generate professional enrollment certificates including course name, student name, and date of enrollment. Exportable to PDF for permanent records.

FAA § 141.93 · AC 141-1B § 4.4

### **Graduation Certificate Generator**

Issue graduation certificates signable by the chief instructor, including school name, certificate number, student name, course, graduation date, and cross-country training statement. Exportable to PDF for permanent records.

FAA § 141.85 · § 141.95 · AC 141-1B § 4.5

### **Transfer Credit Manager**

Enable chief instructors to award credit for prior training after proper evaluation and testing. Mark completed lessons and backfill time and activity records to maintain accurate student progress tracking.

AC 141-1B § 4.3

### **Student Course Enrollment Visibility**

Display current lists of all students enrolled in each course for compliance documentation.

FAA § 141.93

## Instructor & Administration Tools

*Maintain comprehensive records for all instructors and organizational documentation.*

### **Course Builder**

Customize courses with detailed lesson objectives, performance standards, resources, and progress/stage check requirements to match your approved training course outline.

FAA § 141.55

### **Certificates & Endorsements**

Store instructor and student certificates data along with endorsements granted by instructors. Track qualifications and training authorizations with complete historical records.

FAA § 61.189

### **Instructor Qualification Records**

Maintain comprehensive records for chief, assistant, and flight instructors including name, certificate, qualifications, list of approved courses, dates of approval for knowledge/proficiency tests, and recurrent training dates.

AC 141-1B §§ 4.6–4.9

### **Organization Document Library**

Centralized storage for SOPs, safety manuals, and procedures with mechanisms for distributing safety procedures to students at enrollment. Documents accessible through mobile app.

AC 141-1B § 4.10

### **Student Training Syllabus Visibility**

Students can view the complete contents of their enrolled course directly from the mobile app, promoting transparency and self-directed learning.

FAA § 141.93

### **Student Compliance Record Export**

Generate comprehensive student compliance records including student information, course progress, chronological training logs, associated instructors, endorsements, and documents. One-click PDF export for easy sharing and archiving.

FAA § 141.101

## Digital Assurance

*Built-in authentication, non-repudiation, and immutability for trustworthy records.*

### **Digital Signature System (PKI-backed)**

Ensures signer authentication, non-repudiation, and immutability through cryptographic signatures. Signature metadata (hash + timestamp) stored with records; any record edits trigger a new signature if required. Supports sign-offs on progress/stage checks, graduation certificates, and other enrollment events.

AC 120-78B Ch. 2

## FlightSense + FAA Acceptance

### Approved vs. Accepted — How It Works

#### **Your school and courses are FAA-approved under Part 141.**

Under the FAA's regulatory framework, there's an important distinction between "approval" and "acceptance." Your school's Training Course Outlines and syllabi receive formal FAA approval from your Principal Operations Inspector (POI), complete with an official stamp and signature.

Your recordkeeping system, however, doesn't get "approved" — it gets "accepted." This means your POI reviews it to ensure it meets all applicable FAA regulatory requirements for maintaining training records under Part 141. Once you submit your Letter of Intent (LOI), your POI reviews FlightSense to confirm it meets compliance standards and issues a Letter of Authorization (LOA), formally accepting your digital recordkeeping system.

The acceptance process is straightforward: notify your POI of your intent to use FlightSense as your Part 141 recordkeeping system, and we'll support you with the documentation and evidence they need for their review.

### Understanding the TCO Amendment Process

The good news: most Part 141 schools won't need to amend their Training Course Outline to implement FlightSense. The key question is whether your existing TCO describes a specific recordkeeping system or methodology. If it doesn't, you're free to adopt FlightSense by simply notifying your Principal Operations Inspector of the change—no formal amendment required.

For schools that do need to update their TCO, we recommend a streamlined approach: reference compliance with 14 CFR Part 141.101 recordkeeping requirements without locking yourself into describing specific processes or technologies. This keeps your TCO flexible and avoids creating unnecessary administrative hurdles when you want to optimize your recordkeeping in the future.

### We Can Provide

- Sample TCO language & LOI templates
- Sample exports for FSDO review
- Hands-on onboarding and training
- Data migration assistance

#### ***Our Commitment:***

***Your success with FlightSense includes personal support through FAA acceptance and beyond.***

## Appendix A — FAA Compliance Crosswalk

This table reflects FlightSense's current and planned coverage of FAA Part 141 and related advisory circulars, demonstrating readiness for system acceptance.

FAA Reference	Status
§ 141.55 — Training course contents	✓
§ 141.85 — Chief instructor responsibilities	✓
§ 141.93 — Enrollment	✓
§ 141.95 — Graduation certificate	✓
§ 141.101 — Student Training Records	✓
AC 141-1B § 4.2 — Detailed training records	✓
AC 141-1B § 4.3 — Credit for previous training	✓
AC 141-1B § 4.4 — Enrollment certificate & safety guide	✓
AC 141-1B § 4.5 — Graduation certificate	✓
AC 141-1B §§ 4.6–4.9 — Instructor records	✓
AC 141-1B § 4.10 — Safety procedures / student guide	✓
AC 120-78B Ch. 2 — Electronic signatures	✓
AC 120-78B Ch. 3 — Electronic records	✓
§ 61.51 — Pilot logbooks	✓
§ 61.189 — Flight instructor records	✓
Part 61 Aeronautical Experience	●
Part 141 Appendices (Course Minimums)	●

✓ = Meets acceptance criteria

● = Planned or in development