Part 145 Repair Stations

Work orders, task cards, parts, billing and the repair station certificate in one system

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PREPARED FOR

Accountable managers, directors of maintenance and quality managers

Part 145 repair stations and maintenance shops, with or without their own aircraft

FROM

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At a glance

Avistrata runs the shop floor, stores, the customer's bill and the certificate on one record. A mechanic who isn't on the roster **can't sign the item**, the parts and hours used **go straight to the invoice**, and the roster, capability list and audits are ready when the FAA visits.

$55
per user a month on Workshop, with a five-user minimum and no setup contract

Signed
digital task cards with QC and RII queues and PIN signatures

Online
estimates the customer approves and signs, and card payments

Part 145
roster, capability list and AC 145-5 internal evaluation built in

Shop floor
Work orders, task cards, time clock, tools, hangar planning, guest mechanics, AOG.

Stores
Receiving inspection, kitting, purchasing, rotables and cores, parts sales and a web store.

Customers and billing
Signed estimates, invoices from the work order, Stripe and QuickBooks Online.

Quality
Roster and sign-off checks, capability list, audits, findings, read and sign.

1 The problem

- Work orders, parts, time, quality and invoicing live in different systems, or on paper travelling with the aircraft. Status means walking the floor.
- Nothing stops an unqualified mechanic from signing an item, or an inspector from buying off his own work, until an auditor finds it.
- Parts are kitted by hand, cores and exchanges are tracked in a spreadsheet, and the bill misses parts and hours that were used.
- The customer approves extra work by phone, and the invoice goes out days after the aircraft has left.
- The roster, capability list, training records, technical data and internal evaluation are kept in binders the FAA asks to see.

2 On the shop floor MECHANICS AND INSPECTORS

Area	What it does
Work orders	From scratch, a template or Excel; split into sub work orders; status visible to the office and the customer.
Digital task cards	Signed work items with the corrective action, QC and RII queues, and final sign-off with a PIN.
Time and tools	Labour clocked on each card; tools and small items checked out and back, with calibration due dates.

Planning	Hangar bays, people and equipment, the weekly plan, one maintenance calendar, and job estimates from past work.
Guest mechanics	Invite outside mechanics to work and sign on your cards, with their own qualifications checked.
AOG and return to service	An AOG desk for urgent jobs and the return-to-service record when the work is done.
Engineering	Repairs and alterations with Form 337, the FAA Part 43 major or minor classification guide, owner-produced parts, drawings and work instructions.

3 Stores and parts STORES AND BUYERS

Area	What it does
Stock and receiving	Every part and unit with location, condition, certificate and shelf life; receiving inspection; labels.
Kitting	Parts reserved and issued to task cards; IPC parts lists and kit templates.
Purchasing	Requests, RFQs and purchase orders with approval limits; supplier approval; vendor bills.
Rotables	Repairs, exchanges and cores tracked to the end; costing and valuation; more than one currency.
Selling	Parts sales orders, your own web store, and lookups on ILS, PartsBase and Locatory.
Export control	ITAR and EAR parts kept out of public view.

4 Customers and billing THE OFFICE

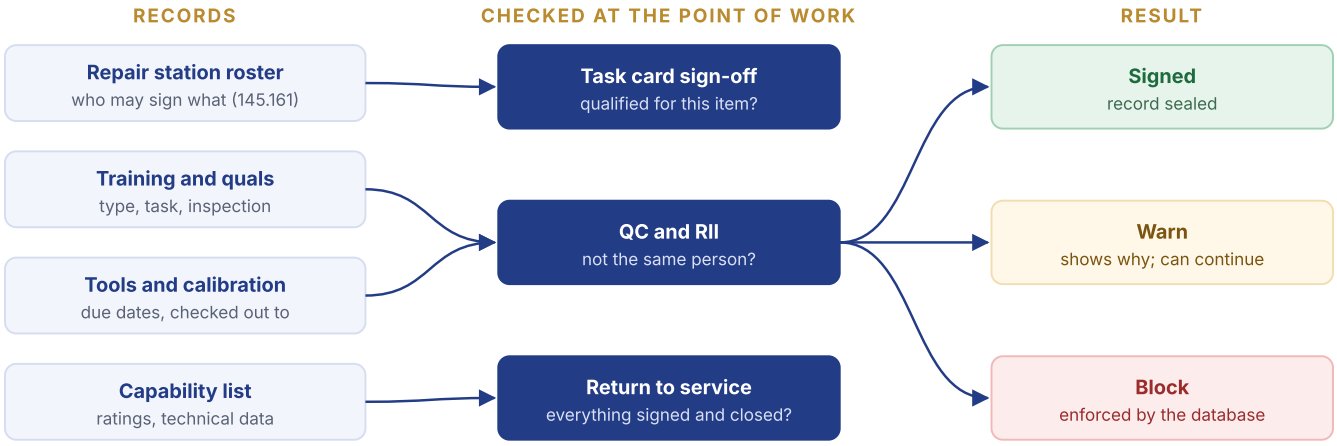
Area	What it does
Estimates	Priced with optional items; the customer approves and signs online.
Invoices	Straight from the work order, with labour, parts, markup, sales tax and shop supplies.
Getting paid	Card and bank payments through your own Stripe account; a private customer portal.
Accounting	QuickBooks Online, or exports for Xero and other systems.

5 Quality and the certificate THE QUALITY MANAGER

Area	What it covers
Certificate and roster	Ratings, the 145.161 roster, and sign-off checks that can stop anyone who isn't on it.
Capability list	Each item with its self-evaluation, and the technical data library behind it.
Internal evaluation (AC 145-5)	The program, the focus areas the FAA writes up most often, and evaluations.
Audits and findings	Checklists, findings with root cause and corrective action, and an effectiveness check.
Training and read and sign	Courses and recurrent due dates per person; manual revisions each person signs for.
Suppliers and records	Supplier scorecard, electronic signatures to AC 120-78B, the auditor packet and a daily quality digest.

6 How it connects

The records the quality manager keeps decide, at each signature, whether the work may be signed.



The roster, training and tool records decide who may sign each work item, and the database enforces it. Each shop picks warn or block for each check.

7 Who uses it

Who	What they do in Avistrata
Accountable manager	Sees the shop, the money and the certificate on one screen; signs the program documents.
Director of maintenance / planner	Opens and plans work orders, assigns people and bays, watches status and hours.
Mechanics	Work cards on a tablet or phone, clock time, pull parts, sign with a PIN.
Inspectors (QC, RII)	Buy off work items in their queue; never their own when the rule is on.
Stores and buyers	Receive, inspect, kit and issue parts; buy against approved POs.
Quality manager	Roster, capability list, audits, internal evaluation and findings.
Office	Estimates, approvals, invoices and payments.

- **One database.** Maintenance, flight operations, stores, training, quality and billing share the same records, so nothing is typed twice.
- **Web and phones.** A web app plus iPhone and Android apps that keep working without signal and sync later.
- **MRO Insight AI.** Ask questions in plain words and get answers with links to your own records, at no extra cost.
- **Security.** Two-step sign-in, idle sign-out, roles per person, and every signature recorded to AC 120-78B.
- **More than the FAA.** Works under FAA, EASA, KCAA (Kenya), SACAA (South Africa) and GCAA (UAE) rules.

8 Pricing

Plan	Price	What it includes
Workshop	$55 per user a month	Work orders, task cards, stores, quality and the certificate; five-user minimum
Workshop with billing	$75 per user a month	Everything in Workshop plus estimates, invoices, payments and QuickBooks Online
Flight Ops add-on	Ask us	For shops that also fly: schedule, releases and crew
Enterprise	From $150,000 a year	Multiple sites, all modules, single sign-on, partner API

All plans are month to month with a 14-day free trial. Services: guided setup ($2,500), data migration ($5,000 to $15,000) and a records analyst service (from $150 per aircraft a month).

9 Getting started

Shops usually start with work orders and task cards on one or two jobs, then bring in stores and billing. We import your parts list, customers and aircraft from spreadsheets.

Read more

- Part 145 page at mrotracker.com
- User guides 02, 03, 04, 07 and 08
- The FAA Part 43 guide: step by step
- Pricing

Proposed next steps

1. A 45-minute demo: a work order from estimate to invoice, a sign-off the roster stops, and the capability list.
2. A 14-day trial with one live job.
3. A setup plan: import, training and the date you go live.

Book a demo
45 minutes, live, on a job like yours.

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Some integrations (for example QuickBooks Online, FlightBridge and single sign-on) are rolling out as partner approvals complete. Prices are from mrotracker.com/pricing as of November 2026. © 2026 Leesburg Aviation LLC.