AVISTRATA
AVIATION BUSINESS PLATFORM

Avistrata for GACA organizations

GACAR Part 145 repair stations, operators and owners regulated by the General Authority of Civil Aviation of the Kingdom of Saudi Arabia

Avistrata Authority Manual

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1. About this manual

This manual explains how Avistrata works for organizations regulated by the General Authority of Civil Aviation (GACA) of Saudi Arabia. The General Authority of Civil Aviation Regulations (GACAR) for maintenance follow the structure of the US 14 CFR: GACAR Part 43 (maintenance and alteration), Part 66 (mechanics and repairmen), Part 91 (general operating rules) and Part 145 (repair stations). Avistrata therefore runs its FAA rule set for GACA organizations and prints GACA names and wording: GACAR Part 43 return to service, GACAR Part 66 certificates and GACA Form 8130-3.

It is written for organization administrators, quality managers, inspectors, stores and planning. Each chapter says where to click and what Avistrata does for you.

At a glance

Area	What GACA organizations get
Return to service	GACAR Part 43 wording on logbook entries, the logbook sticker, task card sign-off and the phone apps
Certificated staff	GACAR Part 66 certificates (Airframe and Powerplant, Avionics, Inspection Authorization, repairman) and the repair station roster
Parts	Incoming GACA Form 8130-3, FAA Form 8130-3, EASA Form 1 and GCAA AW Form 1 recorded in Stores
Inspections and ADs	Inspections, ADs and life limits tracked in Maintenance Due
Billing	Optional; VAT is switched on by hand
Defaults	Imperial units and DD/MM/YYYY dates; both can be changed
Language	Screens and PDFs in English. Arabic PDFs are planned.

Contents

1. About this manual
2. Setting up your organization
3. Certificated staff
4. Approving for return to service
5. Parts and component releases
6. Inspections and ADs
7. Major repairs and alterations
8. Occurrence reporting
9. Billing and VAT
10. Records and retention
11. The phone apps
12. Before you go live
13. Regulation references

2. Setting up your organization

An organization administrator sets the authority once. Everything else follows from it: the wording on returns to service, the certificate names offered when someone signs, the release certificates listed in Stores, and the date format.

1. Sign in as an organization administrator and open **Admin → Manage Organization**.
2. Scroll to **Regulatory authority**.
3. Choose **GACA (Saudi Arabia)**.
4. Fill in the fields in the table below, then click **Save**.
5. Sign out and back in (or reload the page) so every screen picks up the new setting.

Regulatory authority	**GACA (Saudi Arabia)**.
GACA repair station certificate no.	As shown on your GACAR Part 145 repair station certificate. Printed with your returns to service.
Units and dates	Imperial units and DD/MM/YYYY dates by default. Both can be changed in the same section.
Release statement	Optional. Your organization's own return-to-service statement, printed instead of the standard wording (see Chapter 4).

> Sub-organizations (bases, hangars, client organizations) inherit the parent's authority and certificate number unless they set their own. Records always follow the organization that owns the aircraft, so a record signed for a customer's aircraft uses the customer organization's rules.

> Changing the authority never changes records that are already signed: each keeps the wording and certificate number it was signed under, and its seal covers them.

3. Certificated staff

Under GACAR Part 43 a return to service is signed by a certificated mechanic or repairman, an inspector holding an Inspection Authorization, or a GACAR Part 145 repair station through its authorized people. Avistrata keeps each person's certificates and your repair station roster, and can check the roster when someone signs.

Recording a person's certificate

1. Open **Admin → Users** and click the person.
2. Under **Certificates**, add the GACAR Part 66 certificate: kind, number, ratings, and the expiry date where one applies.
3. Click **Save**. The certificate is shown on the person's record.

Certificate kinds offered on a GACA logbook entry

Certificate	Used for
Mechanic, Airframe and Powerplant (GACAR Part 66)	Airframe and/or powerplant work within the ratings held
Mechanic, Avionics (GACAR Part 66)	The GACA avionics rating (there is no FAA equivalent)
Inspection Authorization (GACAR 66.81)	Annual inspections and approval of major repairs and alterations
Repairman (GACAR Part 66)	The work the employing repair station or operator certifies them for
GACAR Part 145 repair station	A return to service signed for the repair station
Pilot (preventive maintenance)	Preventive maintenance by a pilot, where GACAR Part 43 allows it
Validity	A certificate issued to a Saudi national does not expire. A validated foreign certificate is valid for 1 year, and an Inspection Authorization expires on 31 March (GACAR 66.37, 66.41 and 66.81). Enter the expiry date when one applies so the reminder runs.
Recent experience	6 months of work in the preceding 24 months (GACAR 66.69). Record it on the person's certificate.

The repair station roster and the sign-off check

Quality → Repair station holds your certificate, ratings and the roster of people who may approve for return to service. Set the **sign-off check** to Off, Warn (allow it and record it on the record) or Block (refuse the signature). With Warn or Block on, a return to service or final inspection signed by someone not on the roster with that authorization is recorded or refused. Some labels there still use FAA terms (for example "FAA office"); enter your GACA principal inspector in that field.

4. Approving for return to service

Logbook entries

In **Logbook**, a new entry for an aircraft of your organization uses GACA wording automatically:

Kind of certificate	The GACAR Part 66 list in Chapter 3. The default is Airframe and Powerplant (Inspection Authorization for an inspection entry).
Return-to-service statement	*I certify that the work described above was performed in accordance with the current regulations of the General Authority of Civil Aviation (GACAR Part 43) and is approved for return to service with respect to the work performed.*
AD entries	States that the airworthiness directives listed were complied with (GACA and State of Design ADs), followed by the return-to-service statement.
Certificate number	Your GACA repair station certificate number, from Manage Organization.
Dates	DD/MM/YYYY, from the organization setting.

Sign with your PIN as usual. The entry is numbered, sealed (SHA-256) and chained to the aircraft's previous entry. A signed entry can only be voided with a reason and corrected by a new entry.

Task cards and the logbook sticker

Task card final sign-off and the printed logbook sticker use the same statement. Close the task cards on a work order, sign the final inspection, and print the sticker from the work order.

Your own statement

If your repair station manual requires different wording, enter it in **Manage Organization → Regulatory authority → Release statement**. It is then printed instead of the standard statement on logbook entries, the sticker, task card sign-off and new drafts in the phone apps. Leave it empty to use the standard wording.

5. Parts and component releases

Incoming parts

In **Stores**, every stock unit records the certificate it arrived with. For GACA organizations the list starts with:

GACA Form 8130-3	Authorized release certificate issued under GACA
FAA Form 8130-3	US-issued release
EASA Form 1	EU-issued release
GCAA AW Form 1	UAE-issued release

Which certificates you may accept depends on your repair station manual and GACA's rules for imported parts. A unit with no certificate can be held as "To be verified" and kept out of issue until it is checked.

On a task card

In the parts table click **Tag** to attach the part's release certificate. GACA Form 8130-3 is offered first.

Releasing a component you maintained

The **Component Shop** runs repairs, overhauls and bench tests with a router of signed steps and issues the release when every step is signed.

> **Not yet available:** the Component Shop issues FAA Form 8130-3 and EASA Form 1 today, not GACA Form 8130-3. Until it does, issue GACA Form 8130-3 the way your repair station manual describes and attach it to the part with **Tag**.

6. Inspections and airworthiness directives

Inspections

Keep each aircraft's inspections (annual, 100-hour or the program your operator uses under GACAR Part 91) in **Maintenance Due**, each with its interval in hours, cycles or calendar time. Items turn amber as they come due and block dispatch when overdue. Reminders go out before the due date.

Airworthiness directives

The AD / SB tab matches ADs to your fleet by type certificate holder, model and serial number. FAA ADs for US-designed products are matched automatically, and EASA ADs once that feed is connected. **ADs issued by GACA are not read automatically:** record them on the AD / SB tab by hand so they are tracked in Maintenance Due like the others.

Life-limited parts

Life-limited parts are tracked by hours, cycles and calendar time on the aircraft, with the back-to-birth trace kept with the part in Stores.

7. Major repairs and alterations

In **Engineering**, record whether work is a major or minor repair or alteration under GACAR Part 43, with the approved data used. The logbook entry carries the reference.

Approved data	Enter the approved data used (for example the manufacturer's data or a GACA approval).
GACA form	Complete the GACA major repair and alteration form the way GACA requires and attach it to the work order in Files.
Return to service	Signed by a person allowed to approve the work for return to service (Chapter 3).

8. Occurrence and defect reporting

GACAR Part 4 and GACA's Safety Reporting System set what must be reported and when. In Avistrata:

1. Open **Quality → Safety (SMS) → Investigations** and create the investigation.
2. Record what happened, the aircraft, the risk and the actions taken.
3. Report to GACA through its Safety Reporting System within the time GACAR requires, then note the GACA reference and the date sent on the investigation.

> The 72-hour mandatory occurrence report tracker used for EASA organizations is not switched on for GACA organizations. Use the investigation's actions and due dates to track your GACA deadlines.

9. Billing and VAT

Billing is optional. If you want to invoice from Avistrata, set it up in **Billing → Settings**:

VAT mode	Set to **On**. (Automatic VAT is not switched on for Saudi Arabia yet.)
VAT number	Your Saudi VAT registration number.
VAT rates	Enter your rates for labour, parts and other lines (for example the 15% standard rate). A line can have its own rate.
Customers	Enter each business customer's VAT number and country on the customer record.

> **E-invoicing:** Avistrata does not connect to ZATCA's FATOORA e-invoicing platform. If your business must issue e-invoices through FATOORA, keep issuing tax invoices from your e-invoicing solution and use Avistrata for estimates and work orders. Check with your accountant.

10. Records, audit trail and retention

- **Seal.** Signed logbook entries are sealed with SHA-256 over everything printed, the signer, the time and the certificate number. **Logbook → Check seals** recomputes them.
- **Who and when.** Signer, time and status changes are set by the server from the signed-in person, never from the browser.
- **Retention.** Keep records as GACAR Parts 43, 91 and 145 require. Avistrata never deletes signed records; voided records stay on file with the reason.
- **Records package.** Records → Change History → Records package exports an aircraft's records as a ZIP for a sale, lease or audit.

11. The phone apps

The Mechanic and Admin apps use GACA wording on logbook entries and task card sign-off, and show your repair station certificate number.

12. Before you go live: check with your quality manager

Avistrata supports compliance; it does not replace your repair station manual, your procedures or GACA's acceptance. Before you use it for returns to service, check:

- The return-to-service statement matches your repair station manual. If not, enter yours as the release statement.
- Every person who signs has their GACAR Part 66 certificate on file, with expiry dates where they apply.
- Your repair station certificate number is correct in Manage Organization, and the roster is up to date in Quality → Repair station.
- GACA ADs for your fleet are recorded on the AD / SB tab.
- How you will issue GACA Form 8130-3 and tax invoices until Avistrata does both (Chapters 5 and 9).

If anything differs, tell Avistrata support (support@avistrata.com). Wording can usually be changed for your organization alone, through the release statement, without waiting for an update.

13. Regulation references

Topic	Reference
Maintenance and alteration	GACAR Part 43
Mechanics and repairmen	GACAR Part 66; validity 66.37, 66.41; recent experience 66.69; Inspection Authorization 66.81
Repair stations	GACAR Part 145
Operating rules and inspections	GACAR Part 91
Occurrence reporting	GACAR Part 4; GACA Safety Reporting System
Component release	GACA Form 8130-3

References are to the GACARs published by the General Authority of Civil Aviation. Always use the current amendment. Avistrata is not affiliated with or approved by GACA.