

Commercial & Technical Product Catalogue

Comprehensive Product Edition - Architecture, Integrations, Operational Workflows, Module Capabilities, Data Domains and Product Interface Atlas

Developer

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Edition

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Product website

raiops.ir / demo.raiops.ir

PUBLIC COMMERCIAL EDITION - Live personnel and sensitive operational data are masked. Internal routes, API endpoints, credentials, tokens, private keys and security-sensitive implementation details are intentionally excluded.

Document Control & Publication Basis

This document is a commercial product catalogue, not a source-code manual. It explains what the platform can do, how its functional domains fit together and how an airline can use the platform, while withholding implementation details that would unnecessarily expose proprietary or security-sensitive information.

Field	Value
Product	RaiOps - Airline Operations Management Platform
Developer	Mehdi Zenhari
Document author / preparer	Mehdi Zenhari
Edition	2026 Public Commercial Edition - Version 2
Primary purpose	Airline evaluation, product demonstration, commercial discussion and solution assessment
Evidence basis	Production code snapshot, MySQL schema (372 CREATE TABLE definitions) and 120 authenticated interface captures
Confidentiality position	No credentials, tokens, internal endpoint URLs, private keys or reusable security-sensitive details are published

How to read this catalogue

The catalogue is divided into a product overview, technology and integration chapters, detailed capability chapters, end-to-end workflows, implementation and governance sections, a feature matrix and a full visual interface atlas. The interface atlas is intentionally placed after the explanatory content so page count reflects both product depth and visual evidence rather than screenshots alone.

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Executive Overview

RaiOps is a multi-domain airline operations platform designed to connect planning, flight operations, crew, dispatch, fleet, maintenance, ground handling, training, safety, commercial analysis and management reporting in a shared digital environment.

Why the platform exists

Airline operations typically depend on many departments that must work on the same flight, aircraft, crew, route and station data but often use separate spreadsheets, messaging channels and isolated applications. RaiOps addresses that fragmentation by organizing operational records and workflows around shared entities and common status information. The result is a platform in which a flight can move from planning to crew assignment, dispatch preparation, ground execution, post-flight records and management reporting without every department recreating the same information independently.

Commercial proposition

- One operational platform spanning multiple airline departments instead of a single-purpose crew or dispatch application.
- Configurable, role-based access so each airline can expose the modules required by each department and job function.
- Operational workflows built around real airline objects: flights, aircraft, stations, routes, crew, rosters, OFPs, load data, maintenance records, training records and audit findings.
- Browser-first deployment with PWA/offline capabilities in selected operational modules, reducing dependency on dedicated desktop software.
- Integration-oriented architecture that can exchange data with flight-planning, authority, SMS, weather, reservation/passenger and messaging services.
- Management visibility through statistics, monitoring dashboards, reports, exception pages and audit trails.

Domain	Representative capabilities
Operations	Flight management, monitoring, OFP, RTOW, Load & Trim, Journey Log, FDP, payload, route load
Crew	Scheduling, Auto Scheduling, roster, FTL/FDP, endorsements, licences, recency, crew location
Dispatch	Handover, pre-load, OFP management, trip information, dispatch package workflows
Fleet & Maintenance	Aircraft records, availability, ETL, MEL, CAMO, handover, equipment requests, fuel monitoring
Ground	PWA workflows, DCS detail, ground reports, station employees, work reports, flight charts
Training & Safety	Classes, quizzes, certificates, ODB, briefing, ASR, audit programmes, findings, compliance
Commercial & Management	Fleet scenarios, cost per seat, commercial reports, pricing, CEO reports, statistics

Product Scope & Functional Domain Map

The reviewed product is significantly broader than the 120 captured screens. Source review shows dedicated application areas for operational planning, crew, dispatch, EFB, finance, commercial, training, maintenance, communication, offline/mobile workflows and specialized support services.

Functional domains

Domain	Scope
Flight Operations	Flight definition, flight data, monitoring, OFP, RTOW, Load & Trim, journey log, payload, flight time, delay handling
Crew Operations	Crew Plan, scheduling, Auto Scheduling, roster, location, endorsements, licences, FDP/FTL and restrictions
Dispatch	Dispatch handover, pre-load, OFP list, OFP summaries, trip information and dispatch-package workflows
EFB / Crew digital operations	Crew-facing operational package, dispatch release, journey log, weather/NOTAM content and offline/browser storage support
Fleet & Maintenance	Aircraft records, availability, counters/events, ETL, MEL, CAMO, maintenance handover, equipment requests, toolbox and fuel
Ground & DCS	Ground PWA, station reports, DCS detail/export, passenger/load support, station employees and work reports
Training & Qualification	Classes, attendance, quiz sets, certificates, recency and training communication
Safety & Compliance	ASR, safety reporting, audit programmes, checklists, findings, RCA, compliance status and permission mapping
Commercial & Finance	Fleet scenarios, scenario approvals, cost per seat, seating/pricing, commercial reporting, crew salary and accounting-ticket workflows
Collaboration & Support	AI assistant, chat, messages, notifications, tickets, help centre, meeting/WebRTC, Bale bot and announcements

Cross-domain design principle

The platform is not designed as a collection of unrelated pages. The value comes from shared data relationships. Aircraft and route master data support flight creation; flights support crew assignment, OFP, dispatch and ground records; crew records feed qualification, roster and FDP/FTL checks; completed operational records feed statistics, commercial analysis, safety and management reporting.

Technology & Solution Architecture

A web-first PHP/MySQL application core is extended by browser/PWA features, dedicated Node.js services, scheduled workers and API-oriented integrations.

Verified technology stack

Layer	Reviewed implementation
Core application	PHP application modules with server-rendered interfaces plus JSON/AJAX APIs
Database	MySQL-compatible relational database accessed through PDO
Document generation	mPDF-style PDF workflows and PhpSpreadsheet-based Excel/report exports
Email	PHPMailer-based mail delivery in applicable modules
Notifications	Dedicated Node.js notification service using Express, mysql2 and Web Push/VAPID patterns
Realtime meeting	Node.js + Socket.IO signaling for WebRTC meeting functions
PWA / offline	Service Workers, install manifests, browser caching and IndexedDB/offline synchronization in supported modules
Automation	Cron/worker processes for synchronization, notifications, EFB generation, reporting and scheduled data jobs

Architecture characteristics

- Shared relational data model rather than isolated departmental databases.
- Page-level and role-level permission checks before protected functionality is exposed.
- API-style boundaries for external systems and asynchronous workers, reducing the need for external applications to connect directly to the database.
- Separate service processes for push delivery and meeting signaling, isolating realtime concerns from the PHP request lifecycle.
- PWA components for selected mobile/field workflows such as CrewPlan, Ground and Headquarters functions.
- Server-generated documents and exports to support operational records that must be distributed, printed or archived.

Deployment model

The reviewed application is compatible with a conventional Linux web-server deployment and can be organized behind one or more web domains/subdomains. Its web-first model supports centralized upgrades while users access the system through browsers or installable PWA experiences where provided. Database, web server, scheduled workers and Node.js side services form the principal runtime components.

Data Architecture & Master Data

The reviewed schema contains 372 CREATE TABLE definitions. The public catalogue does not publish the raw schema; instead, this section describes the conceptual data model that allows modules to share operational information.

Core data entities

Entity family	Examples of information represented
Flight	Schedule, route, aircraft assignment, status, operational timestamps, delay information, payload and supporting data
Aircraft / fleet	Registration, type/configuration, seat configuration, availability, counters, maintenance events and document validity information
Network	Routes, stations, airport codes, route timing and station/contact information
Crew / personnel	User identity, operational roles, endorsements, licences, roster, locations, recency, restrictions and crew comments
Dispatch / EFB	OFP detail, imported OFP data, EFB records, release/journey-log information and dispatch package records
Maintenance	ETL defects/actions, maintenance data, MEL extensions, scheduled checks and maintenance activity records
Safety / compliance	Audit programmes, checklists, findings, categories, RCA, compliance status and safety reports
Communication	Notifications, messages, chat groups/messages, support tickets and read/delivery tracking

Why this matters commercially

A shared data model lets the airline avoid re-entering the same operational facts into separate department systems. For example, aircraft and route master data can support flight setup, which then becomes available to crew, dispatch, ground, EFB, reporting and commercial modules. This is a key differentiator between a connected operations platform and a collection of standalone tools.

Integration Landscape

The source contains multiple integration families. This catalogue describes their business purpose without publishing private endpoint addresses, credentials or tokens.

Integration family	Business purpose
Skyputer / OFP ingestion	Receive structured operational flight-plan information for use in dispatch/EFB workflows
Civil Aviation Authority interface	Transmit supported operational message/report types through authenticated API-oriented workflows
SMS gateway	Send operational/training/administrative notifications from centralized application workflows
Aviation weather services	Retrieve current and historical aviation weather for operational planning and review
Reservation / passenger synchronization	Bring passenger/ticket/coupon/load information into selected operational and headquarters functions
Mapping / distance services	Support location, transport and distance-related workflows
Web Push	Deliver browser/device notifications through a dedicated notification service
AI service	Provide assistant/database-navigation capabilities in the reviewed AI module
Bale messaging	Support selected bot-based attendance/work-time communication functions
Email	Distribute summaries, reports, notifications and selected operational packages

Terminology note: “ERP” references found in FDP/FTL-related source code represent Extended Recovery Rest/Period logic. They do not, by themselves, verify connection to a separate Enterprise Resource Planning system. A separate enterprise ERP integration should be advertised only when its specific connector is verified.

Security, Roles, Permissions & Auditability

RaiOps includes granular access-control concepts suitable for a multi-department airline environment.

Role & Permission Model

Purpose. Control which functions each user, role and organizational area can access.

Core capabilities

- Role Manager for reusable role definitions.
- Page-level permissions and protected-page checks.
- Individual-access exceptions and additional department membership logic.
- Dedicated access-denied behavior for unauthorized navigation.
- Administrative user management, guest management and controlled impersonation/support utilities.
- Permission mapping in the safety/compliance domain as well as global role/page permissions.

Operational workflow

An administrator defines users and roles, assigns departmental or individual access, and the application evaluates permissions as users navigate protected modules. This allows the same deployment to serve flight operations, crew planning, dispatch, training, ground, maintenance and management teams without exposing every function to every user.

Value to the airline

Granular access reduces accidental exposure of operational or administrative functions, supports segregation of duties and makes the product practical for enterprise deployment.

Source-verified implementation notes

- Activity/API logging and request-history tooling are present for traceability.
- Authentication sessions, CSRF protections in interactive workflows and token/OAuth patterns are present in reviewed source areas.

User & Personnel Administration

Purpose. Maintain operational users and personnel-facing records in a centralized administrative area.

Core capabilities

- Add/edit/view users and personnel cards.
- Contacts and station/employee contact information.
- Guest management and user-location functions.
- Office-time and missing-office-time workflows.
- Personnel recency records and supporting files.
- Home-base assignment and role/department associations.

Operational workflow

Personnel records are maintained centrally and then referenced by crew, recency, training, office-time, notification and operational modules. This reduces duplicated personnel master data.

Value to the airline

Central administration supports consistent identity, contact, role and qualification information across modules.

Flight Management, Network & Operational Setup

RaiOps manages the master data and daily records required to create and operate flights.

Flight Management

Purpose. Create, edit and manage operational flight records that become the shared reference for downstream modules.

Core capabilities

- Flight list and flight-record management.
- Create/edit workflows and duplicate/data-quality checks.
- Bulk or repeated flight creation support in reviewed source utilities.
- Operational status and delayed-flight views.
- Flight-role and role-assignment definitions.
- Data-quality/bug pages used to identify incomplete or inconsistent flight records.

Operational workflow

Flights are defined using aircraft, stations/routes, timing and operational metadata. Once created, the same flight can be consumed by crew scheduling, OFP, dispatch, EFB, ground handling, payload, statistics and commercial workflows.

Value to the airline

Provides a single operational flight record rather than separate flight definitions in each department.

Routes, Stations & Timing

Purpose. Maintain reusable network data used by flight creation and planning.

Core capabilities

- Route management.
- Station management.
- Route fixed-time management.
- Station contact information.
- Airport-code/station master data.
- Delay-code libraries and airline-specific delay code support.

Operational workflow

Network master data is maintained once and referenced during flight planning, reporting, route analysis, station operations and contact workflows.

Value to the airline

Improves consistency in route/station naming and reduces manual entry errors.

Fleet Scenario Planning & Pre-Planning

Commercial/operations planning functions support scenario-based planning before final flight execution.

Fleet Scenario Management

Purpose. Create and evaluate planned operating scenarios using fleet, sectors, days and management approval concepts.

Core capabilities

- Fleet scenario creation and viewing.
- Scenario sectors and day-level structures.
- Scenario approval/report workflows.
- Scenario manager assignments.
- Handover batches/recipients and scenario communication logs.
- SMS/email communication support associated with scenario workflows.
- Scenario export and planning support.

Operational workflow

A planning scenario can be built before final operational publication. Managers can review sectors/days, evaluate the scenario, communicate or hand it over, and use it as a planning layer supporting subsequent flight setup.

Value to the airline

Allows planning teams to compare and coordinate proposed operations before committing them to day-of-operations workflows.

Source-verified implementation notes

- Scenario-related entities are represented in the reviewed database, including scenario days, sectors, managers, approvals/communication support and pre-planning data.

Pre-Planning

Purpose. Provide an operational bridge between higher-level scenario planning and actual flight/crew preparation.

Core capabilities

- Pre-planning workspace.
- Scenario-oriented planning data.
- Operational preparation before final crew/dispatch execution.

Operational workflow

Planning information is reviewed before being converted into final operational activity, allowing changes to be considered earlier in the process.

Value to the airline

Reduces late changes and gives operations a structured preparation phase.

Crew Planning, Scheduling & Auto Scheduling

Crew planning is one of the deepest functional areas in RaiOps, covering manual scheduling, new scheduling workflows, automated suggestions, location, restrictions and endorsements.

Crew Scheduling

Purpose. Assign cockpit/cabin crew to flights and duties using a shared scheduling workspace.

Core capabilities

- Crew Scheduling workspace.
- New Crew Scheduling interface.
- Shift codes and role-aware assignment.
- Flight/day comments supporting planner communication.
- Crew scheduling reports and export support.
- Crew location visibility.
- Restrictions and blacklist controls.

Operational workflow

Schedulers select the planning period and work from flight/crew availability data. Assignments reference operational roles and crew master data, while comments/restrictions provide context that cannot be represented by a simple name-on-flight assignment.

Value to the airline

Centralized scheduling improves visibility across the crew plan and reduces conflicting parallel spreadsheets.

Auto Scheduling

Purpose. Assist planners by automatically proposing or assigning crew using eligibility and operational constraints.

Core capabilities

- Auto Scheduling workspace.
- Suggestion rules and configurable restrictions.
- Endorsement/role compatibility support.
- Crew-location and previous-duty/location considerations in reviewed scheduling logic.
- Roster draft/snapshot concepts.
- FDP-aware Auto Scheduling variant.
- Email history and scheduling communication support.

Operational workflow

The engine evaluates available crew against role/endorsement and scheduling restrictions, creates suggestions/drafts and allows planners to review the result rather than manually building every assignment from scratch.

Value to the airline

Reduces planning workload and helps planners apply recurring eligibility rules consistently, while keeping human review in the workflow.

Source-verified implementation notes

- Auto-scheduling source contains dedicated suggestion-rule, restriction, draft/snapshot and FDP-check components.

Endorsements, Crew Location & Restrictions

Purpose. Maintain operational eligibility and contextual planning constraints.

Core capabilities

- Endorsement management.
- Crew location tracking/view.
- Crew blacklist/restriction controls.
- Crew licences and supporting security/qualification records.
- Home-base concepts and personnel location records.

Operational workflow

Eligibility and location information becomes an input to crew planning and operational decision-making rather than being stored only in separate personnel files.

Value to the airline

Helps prevent inappropriate assignment and gives scheduling teams clearer operational context.

Roster, FDP, FTL & Fatigue-Rule Support

RaiOps includes dedicated roster management and fatigue-rule support rather than treating roster as a simple calendar.

Roster Management

Purpose. Build, manage and view roster records for operational personnel.

Core capabilities

- Roster management workspace.
- Roster viewer.
- Shift code management.
- Roster export to spreadsheet in reviewed source.
- Draft/snapshot data used by scheduling automation.
- Daily crew views and crew-list outputs.

Operational workflow

Scheduling output is consolidated into roster records that can be viewed, adjusted, exported and used by downstream FDP/FTL/recency/crew-facing workflows.

Value to the airline

Provides one controlled roster source and supports operational review before and after publication.

FDP Calculator

Purpose. Calculate or review Flight Duty Period-related values through a dedicated operational module.

Core capabilities

- New FDP Calculator user interface.
- Dedicated calculation API/helpers.
- Export support.
- Boundary-decision, hidden-violation and split-duty confirmation records in the reviewed schema.
- Integration points with scheduling and delay-related operational logic.

Operational workflow

Operational inputs are evaluated by the calculation layer and results are presented to planners/users for review. Supporting records allow special decisions or confirmations to be retained rather than recomputed informally.

Value to the airline

Reduces manual calculation risk and makes duty-time evaluation part of the same operations platform.

FTL & Recovery-Rest Compliance

Purpose. Support fatigue-related compliance review using dedicated rule data and logic.

Core capabilities

- FTL Check module.
- FDP maximum lookup data.
- Roster-linked duty/rest evaluation.
- Extended Recovery Rest/Period compliance logic in the reviewed source.
- Checks represented in code for recovery duration, local nights, maximum interval and twice-monthly local-day conditions.
- Violation/warning handling used by supported scheduling workflows.

Operational workflow

Duty and rest records are evaluated against configured/implemented limitations. Results can inform scheduling decisions and identify cases requiring operational review before assignment or continuation.

Value to the airline

Moves fatigue-rule checking closer to planning and reduces reliance on isolated manual calculations.

Crew Qualification, Licences & Recency

Operational assignment is supported by qualification and recency records rather than by roster data alone.

Crew Licences

Purpose. Maintain aviation licence-related data associated with crew users.

Core capabilities

- Crew licence records.
- Administrative licence management.
- Use alongside endorsements/roles/recency for operational eligibility context.

Operational workflow

Licence records are maintained as part of personnel qualification information and can be reviewed by authorized users as part of operational administration.

Value to the airline

Keeps core qualification information connected to the crew identity used elsewhere in the system.

Recency Management

Purpose. Define recency items and track user/personnel recency status and evidence.

Core capabilities

- Recency dashboard.
- Recency item management.
- Set Recency workflow.
- Personnel Recency view.
- User recency records and supporting file records.
- Dashboard-style status review.

Operational workflow

Administrators define or manage recency requirements, update personnel records and review status through central dashboards. Supporting files can be associated with recency records in the reviewed data model.

Value to the airline

Provides a centralized view of time-sensitive qualifications that can be referenced by training and operations teams.

Dispatch, OFP & Operational Preparation

Dispatch functionality connects flight data, handover, pre-load, OFP content and operational package preparation.

Dispatch Handover

Purpose. Structure operational handover information instead of relying only on free-form messaging.

Core capabilities

- Dispatch Handover webform.
- Handover information captured against operational context.
- Support for continuity between dispatch shifts/teams.

Operational workflow

The outgoing team records relevant operational information in a structured form that can be reviewed by the incoming team and retained as part of the operations environment.

Value to the airline

Improves shift continuity and reduces information loss between dispatch teams.

Pre-Load

Purpose. Prepare load-related information before final load/trim processing.

Core capabilities

- Pre-Load interface.
- Operational preparation before final payload/load outputs.
- Connection to flight and dispatch context.

Operational workflow

Preliminary load information is prepared early, then downstream load/payload/trim modules can use final information as operations mature.

Value to the airline

Supports earlier coordination between dispatch/ground/load functions.

OFP Management

Purpose. Import, list, view and distribute Operational Flight Plan information.

Core capabilities

- OFP list and OFP viewer.
- OFP detail data in the database.
- Inbound Skyscraper OFP data integration.
- OFP summary/trip information rendering and email support.

- PDF/document generation utilities in dispatch/EFB functions.

Operational workflow

OFP data can enter RaiOps through supported ingestion, be associated with the flight, reviewed in operational interfaces and become part of dispatch/EFB packages rather than remaining in a separate planning system.

Value to the airline

Creates a bridge between flight-planning output and the airline operational workflow.

EFB, CrewPlan & Digital Flight Documentation

RaiOps includes a substantial EFB/crew-facing codebase with browser/PWA, document-generation and offline-oriented capabilities.

EFB Package

Purpose. Provide flight crews with a digital operational package and supporting flight documents.

Core capabilities

- EFB record management.
- Dispatch Release generation/view/download workflows.
- OFP download/view functions.
- Journey Log rendering and submission support.
- NOTAM/weather content generation within supported EFB flows.
- Automated EFB generation worker/cron functions.
- Email/distribution support for selected generated documents.

Operational workflow

Operational documents and imported flight-planning data are assembled into a crew-facing digital package. The package can be generated, viewed and updated around the same flight record used by dispatch and operations.

Value to the airline

Reduces paper handling, improves consistency between dispatch and crew information and supports centralized document lifecycle management.

Source-verified implementation notes

- The reviewed EFB area contains a large dedicated implementation footprint (556 files including supporting assets/libraries), indicating it is a major platform subsystem.

CrewPlan PWA & Offline Support

Purpose. Give crew mobile/browser access to assigned operational information.

Core capabilities

- CrewPlan dashboard and flight/OFP detail views.
- PWA manifest/service worker components.
- Journey Log and voyage APIs.
- Weather/METAR and trip-information APIs.
- EFB download/access functions.
- IndexedDB/offline-sync logic in reviewed crew/EFB code areas.

Operational workflow

Crew users access assigned operational information through a mobile-friendly interface. Supported data is cached or stored locally where offline logic is implemented and later synchronized with central records.

Value to the airline

Improves field usability when network connectivity is intermittent and gives crew a single digital access point for operational documents.

Source-verified implementation notes

- The public catalogue describes offline capability at a functional level and intentionally does not publish local-store keys, endpoint routes or synchronization internals.

RTOW, Load & Trim, Payload & Flight Load

Performance/load functions connect operational planning with weight, payload and passenger-related data.

RTOW

Purpose. Provide a dedicated interface for regulated takeoff-weight/performance-related operational calculation workflows.

Core capabilities

- RTOW interface in operations.
- Dedicated RTOW API area.
- Flight-specific operational context.

Operational workflow

The user selects/works against flight and operational conditions, with the RTOW function acting as a dedicated performance step within preparation rather than an external spreadsheet.

Value to the airline

Keeps performance-related preparation inside the same controlled operational environment.

Load & Trim

Purpose. Prepare and review aircraft load/trim information for a selected aircraft/flight.

Core capabilities

- Load & Trim interface.
- Aircraft-specific configuration context.
- Payload result storage.
- Integration with flight/payload data in surrounding operations workflows.

Operational workflow

Flight, aircraft and payload information are brought into a structured load/trim workflow for review and operational output.

Value to the airline

Supports standardized preparation and reduces disconnected manual worksheets.

Payload, Route Load & Passenger Capacity

Purpose. Manage payload-related inputs and operational load views.

Core capabilities

- Payload data interface.
- Payload calculator.

- Route Load view.
- Passenger-by-aircraft view.
- Flight-load/coupon/passenger reporting and search utilities in the reviewed source.
- Passenger SMS capability in supported flight-load workflows.

Operational workflow

Payload and passenger/load information is associated with flight/aircraft context, allowing dispatch, ground, commercial and management teams to use a consistent operational data set.

Value to the airline

Improves coordination between load planning, passenger information and post-flight analysis.

Flight Monitoring, Journey Log & Post-Flight Records

RaiOps covers both day-of-operations monitoring and post-flight operational records.

Flight Monitoring

Purpose. Show live/near-live operational status in a centralized operations view.

Core capabilities

- Flight Monitoring interface.
- Flight status/timeline presentation.
- Linkage to flight data and operational events.
- Delay/exception visibility through related flight modules.

Operational workflow

Operations Control reviews the day's flights from a shared monitor, opens flight detail when required and coordinates follow-up through dispatch, crew, ground or reporting modules.

Value to the airline

Provides a common operational picture and reduces fragmented status reporting.

Journey Log & Voyage Results

Purpose. Capture flight completion and post-flight operational information.

Core capabilities

- Journey Log list/report.
- Journey Log result.
- Pilot Journey Log data in reviewed schema.
- Voyage result view.
- Crew-facing Journey Log API/rendering in EFB/CrewPlan.
- Email/distribution helpers in supported workflows.

Operational workflow

After or during flight completion, crew/operations information is recorded and becomes available for review, reporting and historical analysis.

Value to the airline

Creates a structured operational history connected to the original flight record.

Ground Operations, DCS & Station Workflows

Ground functionality includes both administrative reporting and a dedicated PWA-style field interface.

Ground PWA

Purpose. Allow ground teams to interact with flight/handling workflows from a mobile-friendly web application.

Core capabilities

- Ground dashboard/PWA.
- Service worker and install-manifest components.
- Ground report and work-report forms.
- Access to relevant operational/document information.
- Flight-related ground workflows designed for field use.

Operational workflow

Ground personnel access the application at station level, select or work against relevant flights and submit ground/work information without needing the full administrative interface.

Value to the airline

Provides a practical field workflow for stations and helps central operations receive structured ground information.

Ground Reports & Statistics

Purpose. Capture and analyze station/ground operational activity.

Core capabilities

- Ground reports.
- Ground statistics.
- Flight charts.
- Station employee management.
- Station work reports.
- Ground handling report records in the database.

Operational workflow

Ground reports are captured per operational context and can be reviewed centrally through reporting/statistical pages.

Value to the airline

Creates measurable ground-operation records and visibility across stations.

DCS Detail & Export

Purpose. Maintain DCS-related detail and export/report functions.

Core capabilities

- DCS Details interface.
- DCS data entity.
- DCS export/helper functions in reviewed source.
- Relationship to flight and load/ground workflows.

Operational workflow

DCS-related information is reviewed or exported within the ground/operations ecosystem, supporting coordinated handling and reporting.

Value to the airline

Reduces the need for separate ad-hoc DCS reporting tools.

Aircraft, Fleet Availability & Airworthiness Information

Fleet master data gives other modules a consistent aircraft reference and supports availability/airworthiness-oriented administration.

Aircraft Management

Purpose. Maintain aircraft master records and configuration-related information.

Core capabilities

- Aircraft create/edit/view management.
- Aircraft type/configuration information.
- Seat configuration data.
- Aircraft counters and counter history in the reviewed data model.
- Maintenance-event relationships.
- Display/support for airworthiness/insurance validity information in reviewed aircraft management functions.

Operational workflow

Fleet administrators maintain the aircraft record that is referenced by flight scheduling, load/trim, maintenance, availability, fuel and reporting modules.

Value to the airline

A single fleet master reduces conflicting aircraft configuration data across departments.

Aircraft Availability

Purpose. Record and communicate whether an aircraft is operationally available.

Core capabilities

- Aircraft Availability interface.
- Availability status records.
- Email recipient/support data for availability communication.
- Use by planning/operations as fleet status context.

Operational workflow

Authorized users maintain availability states that can be consulted by planners and operations teams when assigning aircraft or evaluating the day's operation.

Value to the airline

Improves fleet-status visibility and reduces late planning conflicts.

Maintenance: ETL, MEL, CAMO, Handover & Equipment

Maintenance functionality exists both inside the administrative platform and as a dedicated maintenance-facing application area.

Electronic Technical Log (ETL)

Purpose. Digitize technical-log records, defects, actions and operational/maintenance data.

Core capabilities

- ETL report interface.
- Dedicated maintenance ETL application area.
- ETL records, defects and defect actions.
- Action images/attachments in the reviewed data model.
- Maintenance data and operation-leg information.
- Scheduled checks and maintenance-related status/progress structures.

Operational workflow

Technical events/defects are recorded against aircraft/operation context, corrective actions are documented and maintenance/operations teams can review ETL status from shared records.

Value to the airline

Creates structured technical history and improves handover between operations and maintenance.

MEL Management

Purpose. Track MEL-related extensions/items connected to technical records.

Core capabilities

- MEL Items interface.
- MEL extension records within ETL data structures.
- Maintenance review context for operational aircraft status.

Operational workflow

MEL information is managed alongside technical-log data so maintenance and operations have a shared view of deferred/extended items where supported.

Value to the airline

Improves operational awareness of aircraft technical limitations.

CAMO & Maintenance Reporting

Purpose. Provide continuing-airworthiness/maintenance reporting views.

Core capabilities

- CAMO Report interface.
- Aircraft maintenance events/counters.
- Maintenance reports and supporting activity-log concepts.

Operational workflow

CAMO/maintenance personnel review structured data generated by aircraft and technical-log workflows.

Value to the airline

Supports oversight and structured reporting rather than isolated records.

Maintenance Handover & Equipment Requests

Purpose. Support maintenance shift continuity and equipment-resource workflows.

Core capabilities

- Maintenance handover components in the dedicated maintenance application.
- Equipment Request and result interfaces.
- Equipment type management.
- Maintenance activity logging.
- Toolbox/tool records.

Operational workflow

Teams record handover information and raise/track equipment needs through system workflows that remain visible to authorized users.

Value to the airline

Reduces handover loss and improves traceability of maintenance-support requests.

Fuel Management & Monitoring

Fuel data is supported by dedicated management, visualization and statistical interfaces.

Fuel Monitoring

Purpose. Record and analyze fuel-related operational information.

Core capabilities

- Fuel Management interface.
- Fuel Monitoring Chart.
- Fuel Monitoring Dashboard.
- Fuel statistics view.
- Connection to flight/fleet data for operational analysis.

Operational workflow

Fuel information is captured or derived around flight/aircraft records, then presented through charts, dashboards and statistical views for trend monitoring.

Value to the airline

Gives operations/management a consistent fuel-performance picture and supports investigation of trends or anomalies.

Weather, NOTAM, FMS Data & Operational Information

RaiOps centralizes several operational-information sources used by dispatch and flight operations.

Aviation Weather

Purpose. Provide current, historical and predictive weather views alongside operational workflows.

Core capabilities

- Today Weather.
- Weather History.
- Weather Predict.
- METAR/TAFOR interface.
- METAR/TAFOR history.
- Weather retrieval/cache/job support in reviewed source.

Operational workflow

Weather information is retrieved and presented in operations interfaces, with history supporting post-event review and prediction modules supporting additional planning context.

Value to the airline

Keeps operational weather information close to the flight workflow and reduces application switching.

NOTAM & Artifacts

Purpose. Provide operational NOTAM-related viewing and generated artifacts.

Core capabilities

- NOTAM interface.
- NOTAM Artifacts interface.
- NOTAM PDF/document generation in supported EFB workflows.

Operational workflow

NOTAM information can be reviewed centrally and incorporated into supporting dispatch/EFB content where configured.

Value to the airline

Improves access to operational information and supports digital briefing packages.

FMS Database

Purpose. Maintain/view FMS database-related operational information.

Core capabilities

- FMS Database interface.
- Supporting includes/data structures in the reviewed application.

Operational workflow

Authorized users can review the FMS database information made available through the platform.

Value to the airline

Places another operational reference inside the same environment used by dispatch and flight operations.

ODB, Aerodrome Briefing & E-Library

Operational knowledge distribution is supported through structured briefing, bulletin and library modules.

ODB

Purpose. Publish and acknowledge operational bulletins/decisions.

Core capabilities

- ODB list/view/management.
- ODB acknowledgments.
- ODB notifications.
- Targeted distribution/acknowledgment concepts in the data model.

Operational workflow

A bulletin is published, made visible to the relevant users and acknowledgment is retained rather than relying only on email or messaging confirmation.

Value to the airline

Provides traceable operational communication and evidence of acknowledgment.

Aerodrome Briefing

Purpose. Manage aerodrome-specific briefing material and user acknowledgment/results.

Core capabilities

- Aerodrome Briefing management.
- Briefing files.
- Acknowledgment records.
- Result/review interface.

Operational workflow

Airport/station-specific briefing material is distributed through a structured module and user acknowledgment can be retained.

Value to the airline

Helps standardize route/station familiarization and operational briefing control.

E-Library

Purpose. Provide department-oriented controlled access to digital operational/reference documents.

Core capabilities

- E-Library interface.
- Department-oriented document/library structure in reviewed source.

Operational workflow

Users access centrally maintained documents through department-specific library areas rather than unmanaged local copies.

Value to the airline

Supports document accessibility and consistency across operational teams.

Training, Quizzes, Attendance & Certificates

Training functions are integrated with personnel, qualification and communication concepts.

Training Class Management

Purpose. Create and manage training classes and assignments.

Core capabilities

- Class create/edit/view workflows.
- Schedules/assignments.
- Attendance support.
- User assignment logic.
- SMS-supported class communication in reviewed source/data.

Operational workflow

Training administrators create classes, assign personnel, manage attendance and use system communication workflows where applicable.

Value to the airline

Provides an auditable training administration process linked to the same personnel identities used operationally.

Quiz & Assessment

Purpose. Create, assign and evaluate quizzes/question sets.

Core capabilities

- Quiz creation and assignment.
- Question upload/import.
- Quiz results.
- Quiz sets/assignment management.

Operational workflow

Question sets are created or uploaded, assigned to users/classes and results are retained for review.

Value to the airline

Moves training assessment away from isolated paper or spreadsheet records.

Certificates

Purpose. Issue training certificates through the platform.

Core capabilities

- Certificate issuance workflows.
- User certificates and supporting records.

- Connection to class/training results.

Operational workflow

After qualifying training/assessment activity, authorized users can issue certificates associated with personnel records.

Value to the airline

Supports centralized training evidence and qualification administration.

Safety Reports & Safety Management

Safety-reporting functions capture operational safety information and make it available to authorized teams.

Air Safety Reports (ASR)

Purpose. Capture and review air-safety reports linked to flight/operational context.

Core capabilities

- ASR interface.
- Air safety report data records.
- Administrative safety-report settings/module.

Operational workflow

Safety events are recorded in a structured form and can be reviewed by safety/management users rather than being limited to informal communications.

Value to the airline

Supports traceability, trending and integration of safety reporting with operational data.

SCM Audit, Compliance, Findings & Corrective Action

RaiOps contains a substantial audit/compliance subsystem for structured assurance activity.

Audit Planning & Execution

Purpose. Plan audits and execute them against structured scopes/checklists.

Core capabilities

- Audit Dashboard.
- Audit Areas.
- Audit Classes and Criteria.
- Audit Programs and programme items.
- Audit scopes and audit teams.
- Checklist templates and audit check results.
- Audit list/create/commence/meeting/summary functions in reviewed source.

Operational workflow

Administrators define reusable audit structures, create audit programmes, assemble audit teams/scopes and execute audits using checklists and result records.

Value to the airline

Provides an end-to-end audit lifecycle instead of keeping audit plans, checklists and evidence in separate files.

Findings, RCA & Compliance

Purpose. Track findings beyond the point of audit identification.

Core capabilities

- Finding categories.
- Findings list/view/edit.
- RCA data structures.
- Compliance status management.
- Audit reports.
- Permission map for SCM roles/functions.

Operational workflow

Findings identified during audit activity are categorized, tracked and associated with corrective/root-cause information and compliance status until closure/review.

Value to the airline

Improves accountability and gives management a structured assurance record.

Commercial Planning, Cost per Seat & Pricing

Commercial modules connect operational plans with capacity, cost and market-oriented analysis.

Cost per Seat

Purpose. Calculate or manage cost-per-seat assumptions/settings.

Core capabilities

- Cost per Seat interface/settings.
- Route and seat-configuration inputs available in adjacent commercial/pricing modules.
- Use with fleet scenario and commercial reporting context.

Operational workflow

Commercial/management users maintain relevant assumptions and evaluate flight/route economics through dedicated interfaces.

Value to the airline

Provides a more structured basis for commercial evaluation than independent spreadsheets.

Commercial Reports & Capacity

Purpose. Analyze route/load/capacity information and commercial performance.

Core capabilities

- Commercial Report and export.
- Seats/capacity functions.
- Route Load and passenger capacity views.
- Other-airline price module for market comparison support.
- Year/period helpers and scenario-based analysis.

Operational workflow

Operational flight and capacity data can be combined with commercial assumptions and market/reference data to support planning and management analysis.

Value to the airline

Helps commercial and operations teams work from a shared picture of planned operation and capacity.

Pricing Configuration

Purpose. Maintain pricing-related reference configuration.

Core capabilities

- Catering pricing.

- Flight-class pricing.
- IFSO cost structures.
- Route prices.
- Seat configuration pricing/reference functions.

Operational workflow

Pricing/reference data is maintained centrally and can support commercial calculations/reports.

Value to the airline

Creates reusable cost/price inputs and reduces hard-coded spreadsheet assumptions.

Finance & Crew Salary

The reviewed source contains finance-oriented functions beyond the commercial planning module.

Crew Salary Calculation

Purpose. Calculate crew salary/compensation using stored rates, periods and operational segments.

Core capabilities

- Crew salary interface and API.
- Rate tiers and salary periods.
- Override data.
- Compute cache/worker logic.
- Segment-level calculation/report views.

Operational workflow

Operational crew activity can be processed through configured rate/period rules, with worker/service functions supporting calculation and reporting.

Value to the airline

Connects operational activity to a finance-facing workflow and reduces manual reconciliation.

Accounting Ticket Management

Purpose. Manage finance/accounting-oriented ticket workflows represented in the reviewed finance module.

Core capabilities

- Accounting ticket manager.
- Supporting accounting-ticket library/helpers.

Operational workflow

Finance-related requests/issues can be managed through a dedicated workflow rather than informal messages.

Value to the airline

Adds traceability to finance support/administration processes.

Flight Load, Passenger & Headquarters Workflows

RaiOps includes passenger/ticket/coupon synchronization and a Headquarters PWA area used for internal operational/employee-facing functions.

Flight Load / Passenger Data

Purpose. Synchronize and query passenger/ticket/coupon information for selected operational workflows.

Core capabilities

- Flight-load interfaces.
- Passenger search/details.
- Coupon/ticket worker and synchronization libraries.
- Passenger/coupon reports and exports.
- Passenger SMS support in applicable workflows.

Operational workflow

Passenger/load information is synchronized into the application and made available to authorized operational/headquarters users for flight-specific review and reporting.

Value to the airline

Allows operational teams to use passenger/load context without direct access to the reservation system UI.

Headquarters PWA

Purpose. Provide internal staff with selected office, flight and ticket information through an installable web interface.

Core capabilities

- Headquarters Dashboard.
- My Office functionality.
- Flight Data view.
- Ticket/coupon view.
- PWA manifest and Service Worker.
- Background-sync/caching logic in reviewed source.

Operational workflow

Internal users access a mobile-friendly application for selected company functions while shared backend data remains in the central RaiOps environment.

Value to the airline

Extends RaiOps beyond OCC-only users and demonstrates reuse of the common platform for internal operational services.

Personnel Shift, Office Time & Work-Time Functions

Operational personnel management extends beyond crew roster into department shift and office-time functions.

Personnel Shift Planning

Purpose. Plan non-flight department shifts and manager access.

Core capabilities

- Personnel Shift Planning.
- Shift Manager Access.
- Department shift templates/managers represented in the database.
- Leave Management.

Operational workflow

Departments can manage recurring shift structures and manager access separately from flight-crew roster while remaining in the same user environment.

Value to the airline

Supports broader airline operations staffing needs.

Office Time / Attendance

Purpose. Track office-time records and exceptions.

Core capabilities

- Office Time.
- Missing Office Time.
- Archive and archive-audit concepts.
- SMS support for selected missing-office-time workflows.
- Work-time/Bale bot support in reviewed source.

Operational workflow

Office/attendance records are captured and exception cases are managed with administrative oversight and selected messaging automation.

Value to the airline

Provides traceable internal attendance support without a separate standalone application.

Transport, Location & Station Contact

Supporting operational modules handle movement/location/contact information needed by day-to-day airline teams.

Transport

Purpose. Provide a transport-facing application area and pickup/location concepts.

Core capabilities

- Transport application/dashboard.
- Transport pickup-location data.
- Location/distance integration patterns in reviewed code areas.

Operational workflow

Transport users can work from selected operational/location data to support staff movement or related workflows.

Value to the airline

Improves coordination of operational support transport.

Contacts & Station Contacts

Purpose. Maintain operational contact directories.

Core capabilities

- Station Contact interface.
- User Contacts.
- Station contact records.
- Structured contact group/email/phone/fax entities in reviewed source/data.

Operational workflow

Authorized users can access centrally maintained contact details rather than maintaining local lists.

Value to the airline

Improves operational communication and keeps station contact data centrally manageable.

Communication, Notifications, Tickets & Collaboration

RaiOps contains multiple communication channels for different operational use cases.

Notifications & Web Push

Purpose. Generate and deliver application notifications to users/devices.

Core capabilities

- Notification records and user-read tracking.
- Push delivery/job data.
- Dedicated Node.js notification service.
- Web Push/VAPID delivery pattern.
- Root Service Worker notification handling.

Operational workflow

Application events can create notifications; push jobs/deliveries are processed by the notification service and users receive/read them through web/PWA interfaces.

Value to the airline

Supports timely operational communication without depending solely on email.

Chat & Messages

Purpose. Provide internal direct/group communication.

Core capabilities

- Chat groups and group members.
- Chat messages, attachments and read tracking.
- Message/attachment/CC structures.
- Dedicated chat/message endpoints in reviewed source.

Operational workflow

Users communicate within the operational platform, with message membership/read state retained by the system.

Value to the airline

Keeps operational collaboration closer to the data/workflows being discussed.

Support Tickets

Purpose. Manage user support or internal requests through ticket workflows.

Core capabilities

- Tickets interface.
- Ticket management.
- Support ticket attachments/data structures.
- Integration with Help Center/support functions.

Operational workflow

Users create requests that can be managed by authorized staff with status/history rather than informal one-off messages.

Value to the airline

Improves support traceability and product adoption.

Bale Bot

Purpose. Support selected work-time/attendance information through Bale messaging.

Core capabilities

- Bale bot integration.
- Bale Bot Access management.
- Manager scope/access control for employee views.

Operational workflow

Authorized chat users interact with selected work-time data through a bot, while access management controls which employees/managers can be viewed.

Value to the airline

Offers an alternate lightweight communication channel for selected internal workflows.

AI Assistant & Help Center

RaiOps includes both AI-oriented tooling and a structured product guidance/help area.

AI Assistant

Purpose. Provide context-aware assistance and database/navigation tooling within the platform.

Core capabilities

- AI conversation/message data.
- AI API/helpers.
- Schema/database explorer components.
- Query-planning/data-tool components.
- Navigation assistance module.

Operational workflow

The AI layer receives user queries, applies supporting tools/schema knowledge where permitted, and returns guidance or data-oriented responses according to configured behavior.

Value to the airline

Helps users find information and reduces friction in a broad multi-module platform.

Help Center

Purpose. Provide searchable product guidance, guides and videos.

Core capabilities

- Help Center categories and videos.
- Guide nodes and hierarchical guide content.
- Guide management/editing/upload.
- Search and view tracking.
- Guide PDF generation in reviewed source.

Operational workflow

Administrators publish help content and users search/navigate structured guidance directly within the product.

Value to the airline

Reduces training burden and supports self-service adoption for airline users.

Online Meeting & Realtime Collaboration

A dedicated meeting subsystem uses Node.js/Socket.IO signaling to support browser-based WebRTC meeting rooms.

Meeting

Purpose. Provide online meeting rooms within the wider RaiOps ecosystem.

Core capabilities

- Meeting room and participant components.
- Meeting repository/storage logic.
- Node.js server with Socket.IO signaling.
- Media-permission records in the reviewed database.

Operational workflow

Users enter controlled meeting rooms; the signaling service coordinates browser peer connections while the PHP application handles room/application logic.

Value to the airline

Keeps selected operational meetings within the same digital ecosystem and avoids requiring a separate workflow for every discussion.

Source-verified implementation notes

- The catalogue describes the architecture at a product level and does not publish room tokens, server ports or internal signaling endpoints.

Reports, Statistics & Management Insight

The platform includes domain-specific reports plus management/CEO-oriented reporting functions.

Statistics & Operational Reporting

Purpose. Turn operational records into reviewable charts and reports.

Core capabilities

- Flight statistics.
- Ground statistics.
- Fuel monitoring/statistics.
- Crew scheduling exports.
- Audit reports.
- Commercial reports.
- Journey Log/voyage reports.
- Flight charts and delay-related reporting.

Operational workflow

Operational transactions are retained in shared records and aggregated by reporting modules for review by domain managers.

Value to the airline

Supports trend analysis and management oversight without exporting every dataset to external spreadsheets.

CEO / Management Reports

Purpose. Provide management-oriented consolidated reporting.

Core capabilities

- Dedicated CEO report source area.
- Report helpers/partials.
- Access to shared operational data for management presentation.

Operational workflow

Management views combine selected operational information into higher-level reports rather than requiring executives to navigate every detailed module.

Value to the airline

Improves executive visibility and supports data-driven operational review.

RLSS, Part Search & MRO Support

The reviewed product contains an RLSS area with part-search and MRO-search capabilities.

Part Search

Purpose. Search aviation part-related information through the RLSS module.

Core capabilities

- RLSS dashboard/interface.
- Part Search.
- MRO Search.
- Related part-replacement records in the reviewed data model.

Operational workflow

Users search part/MRO-related information through a dedicated interface rather than disconnected browser searches or local lists.

Value to the airline

Supports maintenance/logistics research within the same operational ecosystem.

System Administration, Backup & Operational Resilience

Administrative utilities support ongoing operation of the platform itself.

Backup & Maintenance Mode

Purpose. Provide administrative controls for system operation and maintenance.

Core capabilities

- Database backup interface.
- Maintenance Mode records/settings.
- Service-check/settings areas.
- Full-log and development/admin support areas in reviewed source.

Operational workflow

Authorized administrators perform backup/maintenance operations without exposing these tools to general users.

Value to the airline

Supports controlled platform administration and recovery readiness.

Activity & Full Logs

Purpose. Retain operational/system activity information for troubleshooting and oversight.

Core capabilities

- Full Log area.
- Activity records in multiple modules.
- API/request logs in supported integrations.
- Maintenance activity log.

Operational workflow

System and module actions generate traceable records that authorized users can review when investigating changes or issues.

Value to the airline

Improves accountability and operational supportability.

Mobile, PWA & Offline Capability

Several areas are designed for mobile or field use, with PWA manifests, Service Workers and local/offline data handling where required.

Area	Mobile/offline characteristics
CrewPlan	PWA/service worker, crew-facing flight/OFP/EFB access, local/offline-oriented data handling in reviewed code
Ground	Dedicated ground PWA with service worker, mobile forms and station workflows
Headquarters	PWA/service worker and caching/background-sync patterns for selected staff functions
Root application	Service Worker includes push-notification handling
EFB	Browser/local storage/IndexedDB-oriented logic present in selected EFB/Crew flows

Offline support is feature-specific rather than a claim that every page of the platform works fully offline. The commercial statement should therefore be: “PWA and offline-capable workflows are available in selected mobile/crew/ground modules.”

End-to-End Operational Workflows

The strongest commercial value of RaiOps is visible when modules are considered as connected workflows rather than isolated screens.

Workflow A - Plan to operate a flight

- Maintain aircraft, route and station master data.
- Build fleet/pre-planning scenarios where required.
- Create/publish flight records.
- Assign crew manually or through assisted/Auto Scheduling.
- Evaluate roster/FDP/FTL/qualification context.
- Import/review OFP and dispatch information.
- Prepare RTOW, pre-load, payload and Load & Trim as applicable.
- Distribute EFB/crew operational information.
- Monitor flight status and ground activity.
- Complete journey/post-flight records and make data available for reporting.

Workflow B - Crew lifecycle

- Create personnel/user record and operational role access.
- Maintain licences, endorsements, home base, restrictions and recency.
- Plan roster / assignments.
- Apply FDP/FTL and recovery-rest checks.
- Expose assignment through CrewPlan/PWA.
- Record operational journey/duty outcomes.
- Update recency/training records as required.

Workflow C - Aircraft technical lifecycle

- Maintain aircraft master, configuration, counters and document-validity data.
- Set aircraft availability.
- Record ETL defects/actions and MEL-related information.
- Perform maintenance handover and equipment requests.
- Review CAMO/maintenance reports.
- Return status to operations/planning and maintain technical history.

Workflow D - Safety and assurance

- Capture safety report/ASR or initiate audit programme.
- Assign scope/team/checklist.

- Execute checks and retain results.
- Create findings and categorize them.
- Record RCA/corrective/compliance status.
- Produce audit reports and management oversight.

Configuration, Deployment & Airline Adaptation

RaiOps is suitable for airline-specific configuration, but commercial implementation should distinguish “configuration” from “custom development.”

Typical configurable areas

- Users, roles, page permissions and organizational access.
- Aircraft, seat configurations, routes, stations and contacts.
- Delay codes, home bases and operational reference data.
- Crew roles, endorsements, restrictions, recency items and roster/shift structures.
- Training classes, quizzes and qualification workflows.
- Audit areas, classes, criteria, programmes and checklist templates.
- Commercial pricing/reference values, seat/capacity and cost assumptions.
- Notification recipients and selected communication settings.

Implementation services

A production deployment for another airline should normally include discovery, master-data preparation, role/permission design, integration mapping, configuration, data migration where applicable, user acceptance testing, training, pilot deployment and production cutover. Integrations to airline-specific reservation, authority, SMS, weather or planning systems should be validated and adapted per customer rather than assumed to be identical across airlines.

Security and data-separation principle

The public catalogue intentionally does not disclose internal URLs, source paths, secrets or endpoint details. Customer deployment documentation should be separate, access-controlled and airline-specific.

Commercial Evaluation & Demo Guidance

The Demo environment and this catalogue are complementary: the catalogue explains the product domain; the Demo allows prospects to experience the interface and selected workflows.

- Use the catalogue first to understand product scope and identify the departments involved in evaluation.
- Use demo.raioms.ir to experience selected user interfaces and workflow concepts.
- During airline evaluation, map customer requirements to the feature matrix rather than judging the platform only by one department's screen set.
- Treat external integrations as a separate technical workshop because authority/reservation/SMS/planning interfaces vary by airline and jurisdiction.
- For commercial proposals, define which modules are included, which are configurable, which integrations require adaptation and what implementation/migration services are required.

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Feature Matrix

A concise evaluation matrix for airline stakeholders. “Verified” means the capability is represented in the supplied code/schema and/or authenticated interface captures; it does not imply every customer-specific external connector can be reused without configuration.

Domain	Capability	Status
Flight Ops	Flight Management / Flight Data / Monitoring	Verified
Flight Ops	OFF / Dispatch preparation	Verified
Flight Ops	RTOW / Load & Trim / Payload	Verified
Flight Ops	Journey Log / Voyage records	Verified
Crew	Manual & New Scheduling	Verified
Crew	Auto Scheduling / suggestions / restrictions	Verified
Crew	Roster / Crew Location / Endorsements	Verified
Crew	FDP / FTL / recovery-rest support	Verified
Crew	Licences / Recency	Verified
Fleet	Aircraft / availability / configuration	Verified
Maintenance	ETL / MEL / CAMO / Handover	Verified
Maintenance	Equipment requests / Toolbox	Verified
Fuel	Fuel management / charts / statistics	Verified
Ground	Ground PWA / Reports / Statistics	Verified
Ground	DCS detail / export	Verified
Training	Classes / Attendance / Quiz / Certificates	Verified
Safety	ASR / Safety Reports	Verified
SCM	Audit programmes / Checklists / Findings / RCA	Verified
Commercial	Fleet Scenarios / Cost per Seat / Reports	Verified
Finance	Crew Salary / Accounting tickets	Verified
Info	Weather / METAR-TAF / NOTAM / FMS	Verified
Knowledge	ODB / Aerodrome Briefing / E-Library	Verified
Collaboration	Notifications / Chat / Messages / Tickets	Verified
Support	Help Center / AI Assistant	Verified
Realtime	Online Meeting / WebRTC signaling	Verified
Passenger	Passenger/ticket/coupon synchronization tools	Verified
Admin	Users / Roles / Page Permissions / Backup	Verified
Mobile	PWA/offline-capable selected workflows	Verified

Domain	Capability	Status
External	Skyputer OFP / CAO / SMS / Weather / Push integration families	Verified in reviewed deployment; customer adaptation required

Data Domain Summary

Conceptual view of the major data families observed in the reviewed relational schema. Raw table definitions are intentionally not reproduced in the public edition.

Data family	Representative purpose
Flights & network	Flights, routes, stations, flight classes, delay processing, payload results
Crew & roster	Crew data, roster, scheduling drafts/snapshots, comments, restrictions, tours
FDP/FTL	FDP decisions/confirmations, FTL/FDP lookup data
Aircraft	Aircraft master, availability, counters, configurations, maintenance events
Maintenance	ETL records/defects/actions, maintenance data, MEL extensions, checks
Dispatch/EFB	OFP details/imported OFP data, EFB records
Ground/DCS	Ground handling reports, station employees/work reports, DCS
Training/Recency	Recency items/user records, class/quiz/certificate-related records
Safety/SCM	Audits, programmes, criteria, teams, checklists/results, findings/RCA
Commercial	Fleet scenarios, scenario days/sectors/managers, cost/price settings
Communication	Notifications, push jobs/deliveries, messages, chat, support tickets
Access	Users, roles, page permissions, airline/SCM permission maps

The supplied schema contains **372 CREATE TABLE definitions**. The count includes historical/copy-prefixed structures present in the supplied database export; the catalogue therefore treats 372 as a reviewed-schema footprint, not as a claim that every table is an independently user-facing module.

Authenticated RaiOps Interface Atlas

The following appended 120 captures provide visual evidence of the current interface breadth. Live personal/operational data is masked where appropriate. Internal route URLs are not printed. Each capture is presented for product evaluation, not as implementation documentation.

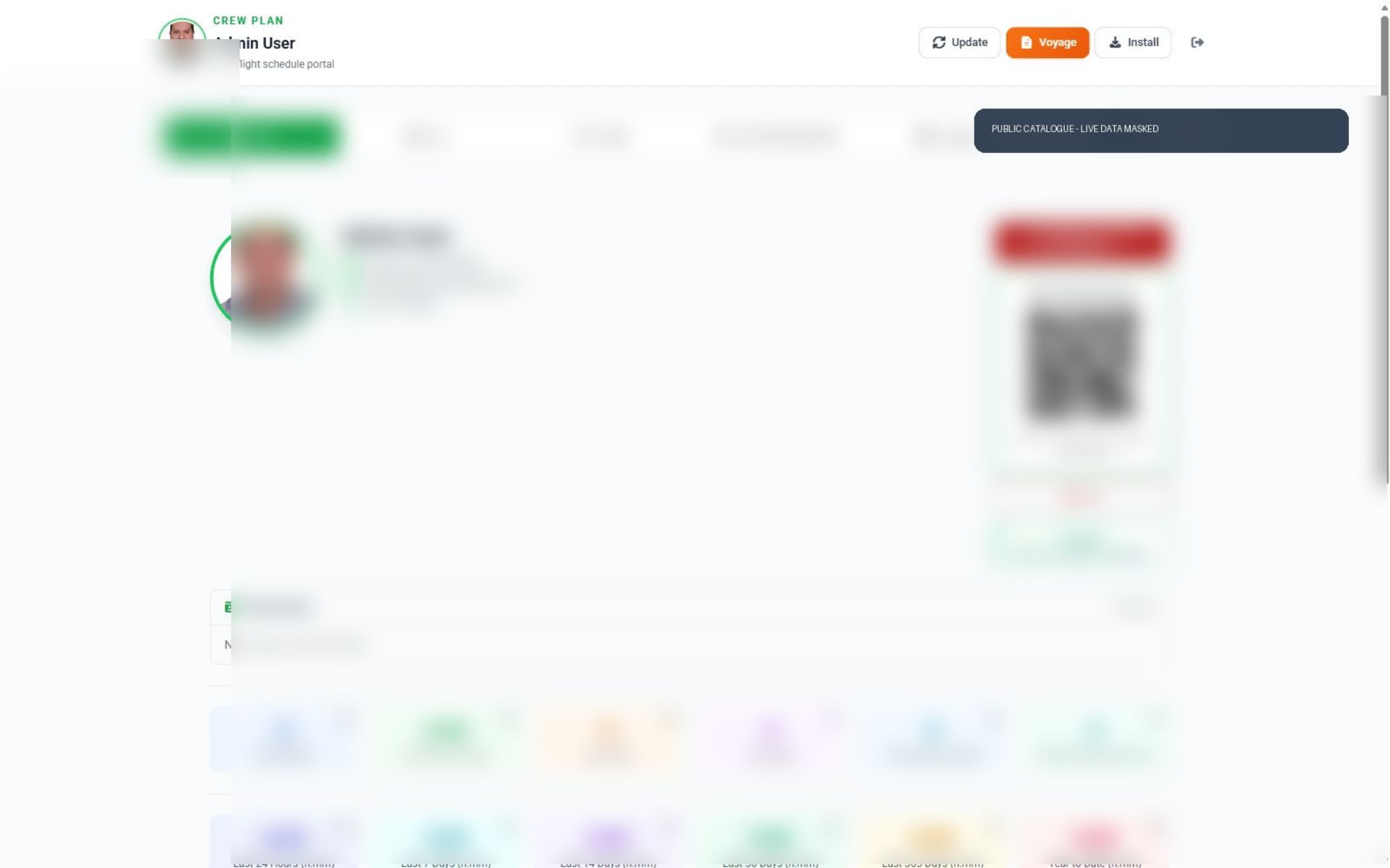
Developer: Mehdi Zenhari | Document prepared by: Mehdi Zenhari

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

002 Crew Plan - Rai-OPS

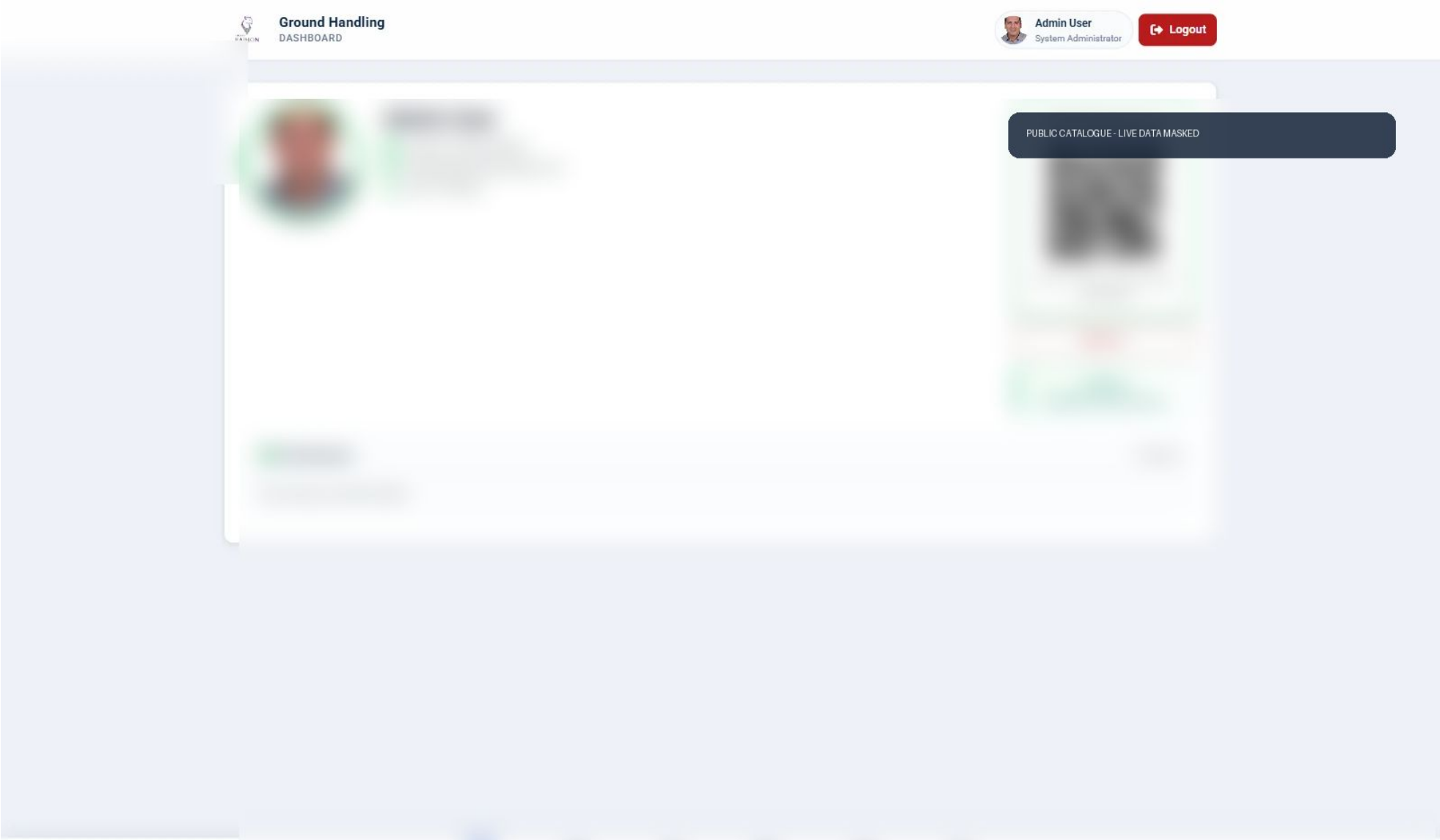
CREW / QUALIFICATION



Public catalogue capture - sensitive live data may be masked.

003 Dashboard - Ground Handling

GROUND OPERATIONS



Public catalogue capture - sensitive live data may be masked.

004 Headquarters Dashboard - Rai-OPS

RAIOPS PLATFORM

Headquarters





Per

BASIC IN

Gender

Male

Status

Active

Rec

7523

MH

7522

THF

7569

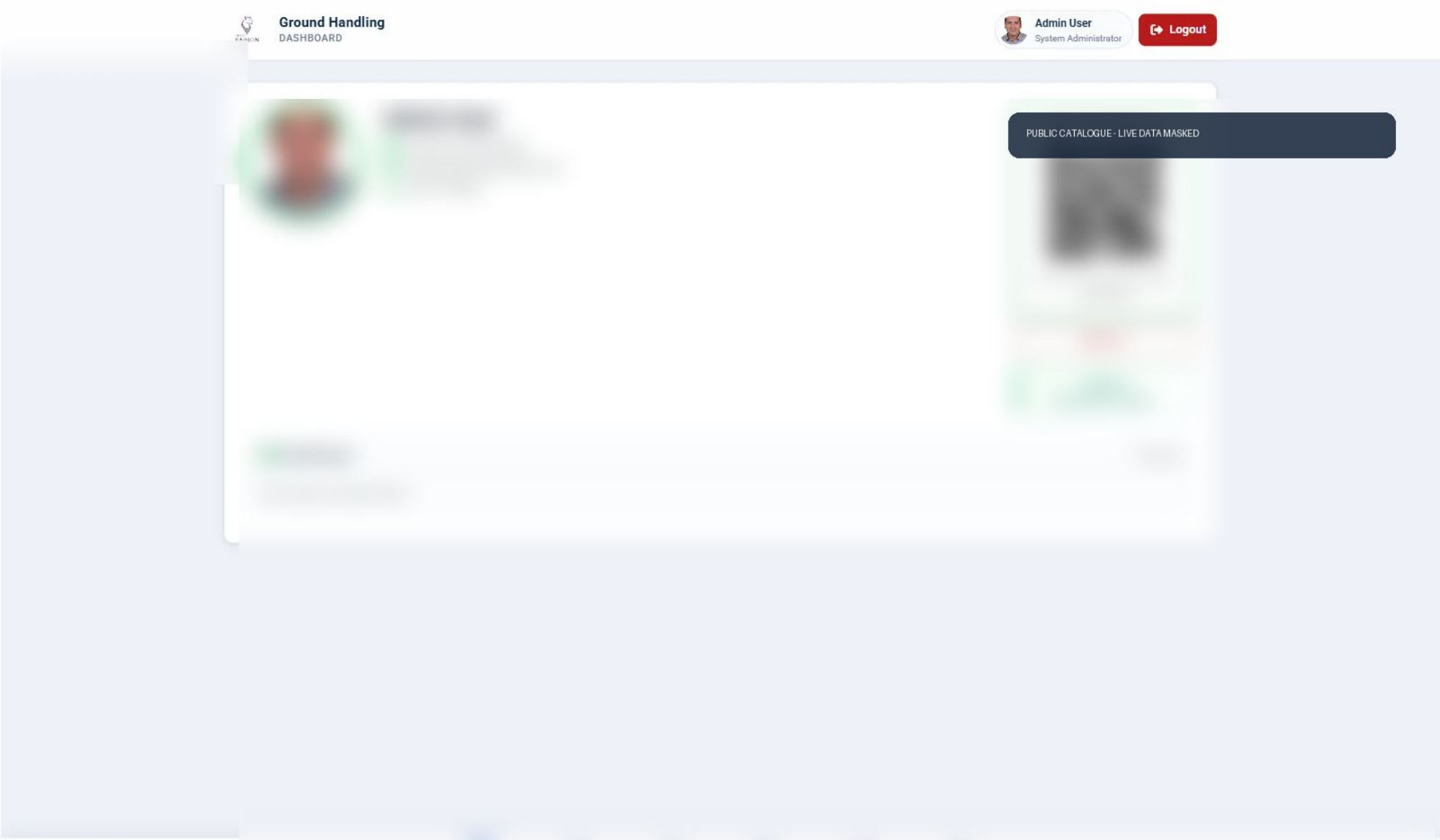
KEF

PUBLIC CATALOGUE - LIVE DATA MASKED

Public catalogue capture - sensitive live data may be masked.

005 Dashboard - Ground Handling

GROUND OPERATIONS



Public catalogue capture - sensitive live data may be masked.

006 Home - Rai-OPS

RAIOPS PLATFORM



Home

Sign Out



Admin User

MAINTENANCE

Welcome, Admin

Choose a module to continue.



OFFICIAL

ETL

Electronic Technical Log — defects, checks, operations, and ATL reports.



OFFICIAL

Handover

Shift handover notes and aircraft status transfer between teams.



ACTIVE



DOCUMENTS

FTP

Browse read-only PDF documents from the maintenance FTP folder.



GROUND SUPPORT

Equipment Request

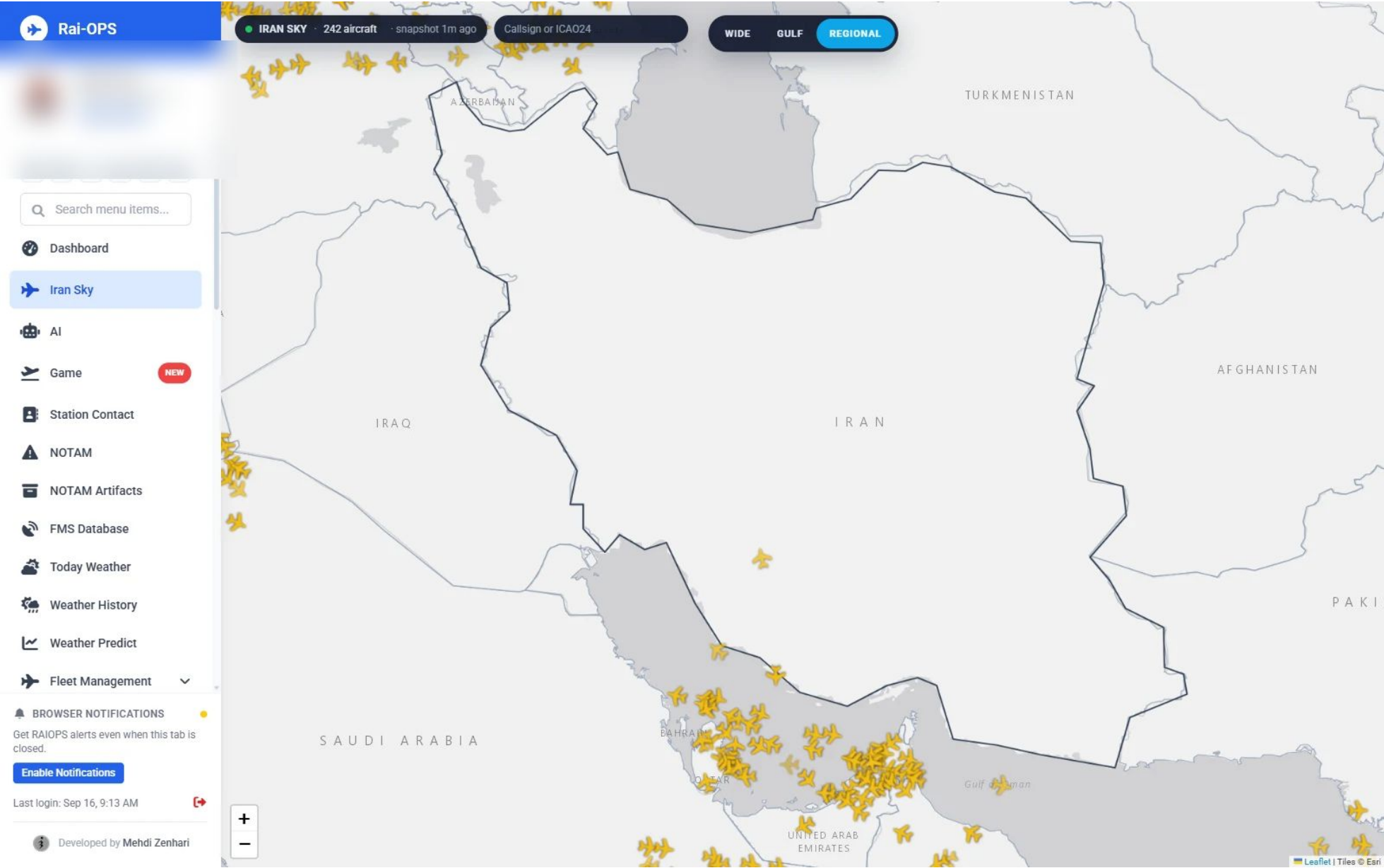
Request GPU, ASU, stairs, and other ground support equipment for maintenance.



Public catalogue capture - sensitive live data may be masked.

007 Iran Sky - Rai-OPS

RAIOPS PLATFORM



Public catalogue capture - sensitive live data may be masked.

008 AI - Rai-OPS

RAIOPS PLATFORM

 Rai-OPS



 Dashboard

 Iran Sky

 AI

 Game

NEW

 Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database

 Today Weather

 Weather History

 Weather Predict

 Fleet Management

▼

 BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM



 Developed by Mehdi Zenhari

TRAINING

Chat history

+ New

 Delete all chats

 شماره تماس یک نفر را کجا بردارم

23h ago

 Rai-OPS AI

TRAINING

Official guide only - no live data

Enter Run

Alt+Shift New line



Hello, Admin

Ask how to use Rai-OPS pages, menus and workflows. Answers come only from the official training guide.

Live operational data is not available here. Topics not in the guide are not answered.



Open Crew Plan

Find today's flights and roster pages



Fuel monitoring

Path and direct link to the dashboard



Recency & licences

Which menus to use and what they do



User guide & access

Help Center path and permission notes

Official guide only - Enter to run - Alt+Shift for new line

 Run

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

73

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

010 Station Contact - Rai-OPS

ADMINISTRATION / SUPPORT

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

OPERATIONAL DIRECTORY

Station Contact

دسترسی تماس — ساختار درختی: گروه ← ایستگاه ← مخاطب

Search group, station, person, position, phone, email...

18 station(s), 26 group node(s)

18 STATIONS

26 GROUPS

99 CONTACTS

Station & Group Management

(Saman) OCC و هندیگ سامان

IKA THR تهران

OCC Manager

هادی کاظمی

09127758783

H.KAZEMI@SAMAN.AERO

OCC Supervisor

02144636326 09385841370

OCC@SAMAN.AERO

OCC Dispatch

09018401105

OCCDISPATCH@SAMAN.AERO

DCS

02144634652

OCCDCS@SAMAN.AERO

دفتر سامان مهرآباد

02144665542

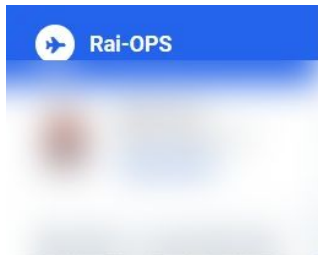
هماهنگی سامان

66076717

Public catalogue capture - sensitive live data may be masked.

011 NOTAM - Rai-OPS

FLIGHT OPERATIONS / DISPATCH



 Rai-OPS

NOTAM

Notice to Airmen for today's flight routes

 NOTAM Artifacts

NOTAM Information:

This page displays NOTAMs for all airports used in today's flights. Data is automatically fetched from today's flight routes.

 Load Today's NOTAMs

 Search menu items...

 Dashboard

 Iran Sky

 AI

 Game

NEW

 Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database

 Today Weather

 Weather History

 Weather Predict

 Fleet Management



 BROWSER NOTIFICATIONS



Get RAIOPS alerts even when this tab is closed.

[Enable Notifications](#)

Last login: Sep 16, 9:13 AM



 Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

013 FMS Database - Rai-OPS

RAIOPS PLATFORM

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

FMS Database

Navigation DB browser & cycle compare — naming: DBYYMM.BN0 (e.g. DB2606 = 2026 / 06)

Active cycle: 2026 / 09 DB2609.BN0

Browse database

DB2609.BN0 — 2026 / 09 (189.78 MB)

Upload DBYYMM.BN0 (max PHP: 512M / post 512M) Save as (optional)

Choose File

No file chosen

DB2607.BN0

Upload

Compare two cycles

Left (older / baseline)

DB2609.BN0 — 2026 / 09

Right (newer)

DB2609.BN0 — 2026 / 09

Compare

Airports

Runways

Waypoints

Nav aids

Airways

Procedures

Headers

Holds

15,498

29,783

256,638

11,724

9,892

794,317

199,926

22,393

Airports

Waypoints

Nav aids

Airways

Holds

Search ICAO / ident (e.g. OIII, PARIR, A416, TRN)

Search

80 airport(s)

ICAO	NAME	CC	ELEV	TA	SID	STAR	APP	—
00AN	—	ALSKA	80	18000	N	N	N	Open
00C	—	USA	6680	18000	N	N	N	Open
00F	—	USA	3280	18000	N	N	N	Open
00M	—	USA	350	18000	N	N	N	Open
00N	—	USA	110	18000	N	N	N	Open
00R	—	USA	150	18000	N	N	Y	Open
00S	—	USA	1620	18000	N	N	N	Open
00TX	—	USA	550	18000	N	N	N	Open
00U	—	USA	3030	18000	N	N	Y	Open
00W	—	USA	720	18000	N	N	N	Open
01A	—	ALSKA	2040	18000	N	N	N	Open

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

018 Aircraft Availability - Rai-OPS

FLEET / MAINTENANCE

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

Game NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Aircraft Availability

Operational status, life counters, and planned maintenance events

EP-NEA Maintenance Forecast Email List

Overview Maintenance Events

EP-NEA

Current Status: Maintenance

Last updated by Mohammad Nezami on 11/07/2026 10:34

Update

Aircraft Counters

No counters recorded. Click Add Counter to create TSN/CSN.

+ Add Counter

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

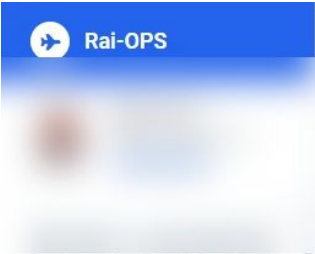
83

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

020 Station Management - Rai-OPS

RAIOPS PLATFORM



Search menu items...

- Dashboard
- Iran Sky
- AI
- Game NEW
- Station Contact
- NOTAM
- NOTAM Artifacts
- FMS Database
- Today Weather
- Weather History
- Weather Predict
- Fleet Management

BROWSER NOTIFICATIONS
Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Station Management

Manage airports and stations

+ Add Station

Export CSV

Back to Routes

Total Stations
56

Base Stations
1

Search & Filter

Station Name

IATA Code

ICAO Code

Base

Search by name

e.g., IKA

e.g., OIIE

All Stations

Search

Airports & Stations

STATION NAME	IATA CODE	ICAO CODE	SHORT NAME	LATITUDE	LONGITUDE	BASE	LOCATION TYPE	ACTIONS
Abadan Airport	ABD	OIAA	ABD	30.3716667	48.2283333	-	Domestic	Edit Delete
Ahwaz Airport	AWZ	OIAW	AWZ	31.3366660	48.7600000	-	Domestic	Edit Delete
Aktau International Airport	SCO	UATE	SCO	43.8600000	51.0900000	-	International	Edit Delete
Arak Airport	AJK	OIHR	AJK	N/A	N/A	-	Domestic	Edit Delete
Ardabil Airport	ADU	OITL	ADU	38.1932000	48.2527000	-	Domestic	Edit Delete
Asaluyeh Airport	PGU	OIBP	PGU	27.3800000	52.7383333	-	Domestic	Edit Delete
Astrakhan Narimanovo Airport	ASF	URWA	ASF	46.2833333	48.0066667	-	International	Edit Delete
Baghdad International Airport	BGW	ORBI	BGW	N/A	N/A	-	International	Edit Delete

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

022 Delay Codes Management - Rai-OPS

RAIOPS PLATFORM

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Delay Codes Management

Manage delay and diversion codes for flight operations

Delay & Diversion Codes

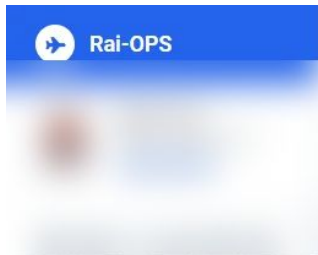
Total codes: 77

CODE	DESCRIPTION	ACTIONS
00-05	Airline internal codes (airline-defined)	
06 (OA)	No gate/stand available due to own airline activity (incl. early arrivals).	
09 (SG)	Scheduled ground time less than declared minimum ground time.	
11 (PD)	LATE CHECK-IN, acceptance after deadline	
12 (PL)	LATE CHECK-IN, congestions in check-in area	
13 (PE)	CHECK-IN ERROR, passenger and baggage	
14 (PO)	OVERSALES, booking errors	
15 (PH)	Boarding discrepancies/paging; missing checked-in passenger at gate.	
16 (PS)	COMMERCIAL PUBLICITY/PASSENGER CONVENIENCE, VIP, press, ground meals and missing personal items	
17 (PC)	CATERING ORDER, late or incorrect order given to supplier	
18 (PB)	BAGGAGE PROCESSING, sorting etc.	
19 (PW)	REDUCED MOBILITY, boarding / deboarding of passengers with reduced mobility	
21 (CD)	DOCUMENTATION, errors etc.	
22 (CP)	LATE POSITIONING	

Public catalogue capture - sensitive live data may be masked.

023 Raimon Delay Code - Rai-OPS

RAIOPS PLATFORM



Search menu items...

Dashboard

Iran Sky

AI

Game

NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Raimon Delay Code

Multi-step delay code selection and filtering

Back to Delay Codes

STEP 1

1

Process

Select Process

STEP 2

2

Sub-Process

Select Sub-Process

STEP 3

3

Reson

Select Reson

STEP 4

4

StackHolder

Select StackHolder

STEP 5

5

Result Code

Complete steps



No Result Codes

Select a [Process](#) to begin.

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Camo Report

Flight operations report with crew assignments

 Download Excel

 Print

Camo Report

Flight operations report with crew assignments

Filter by Date Range: 09/16/2026 to 09/16/2026 X Clear

TASKNAME	STATUS	TASK START DATE (UTC)	TASK START TIME (UTC)	TASK END DATE (UTC)	TASK END TIME (UTC)	DEPARTURE	ARRIVAL	RESOURCES TEXT	CREW1	CREW2
7511	Cancelled	2026-09-16	04:40:00	2026-09-16	05:35:00	RAS	THR	EP-NEB		
7568	On Block	2026-09-16	06:30:00	2026-09-16	08:05:00	THR	KER	EP-NEB	PIC: Pazhooh, Erfan	FO: Abdshari
7529	Gate Closed	2026-09-16	08:55:00	2026-09-16	10:25:00	KER	MHD	EP-NEB	PIC: Pazhooh, Erfan	FO: Abdshari
7528	Confirmed	2026-09-16	11:15:00	2026-09-16	12:50:00	MHD	KER	EP-NEB	PIC: Pazhooh, Erfan	FO: Abdshari
7569	Confirmed	2026-09-16	13:35:00	2026-09-16	15:15:00	KER	THR	EP-NEB	PIC: Pazhooh, Erfan	FO: Abdshari
7522	Cancelled	2026-09-16	16:05:00	2026-09-16	17:30:00	THR	MHD	EP-NEB		
7523	Cancelled	2026-09-16	18:20:00	2026-09-16	19:40:00	MHD	THR	EP-NEB		

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Fuel Monitoring

OFP-based trip fuel, minimum take-off fuel, and taxi fuel per flight (2026-09-16)

Date: 09/16/2026



▼ Apply

 Today

Source: Skycrater OFP JSON logs only (Trip Fuel, MIN TOF, Taxi, TOTAL FUEL, OPS.EXTRA in LBS)

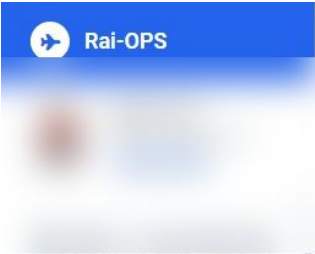
Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

031 Fuel Monitoring Dashboard - Rai-OPS

FLEET / MAINTENANCE



Search menu items...

Dashboard

Iran Sky

AI

Game

NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Fuel Monitoring Dashboard

Planned Fuel = Trip + Taxi · Actual Fuel = dest ACT USD · Actual Flight Time = OFP Detail flight_time · Unit: LBS · Latest locked OFP per flight

Operational Efficiency Indicator is comparative vs OFP plan — not a definitive pilot performance assessment.

Filters

Apply Filters

Reset

Start Date

08/17/2026

End Date

09/16/2026

Aircraft Registration

— All Aircraft —

Pilot / PIC

— All Pilots —

Flight Number

e.g. RAI7532

Origin

— All Origins —

Destination

— All Destinations —

☐ Exclude Diversion / Return to Ramp Min valid flights for ranking 3

Data quality note: 42 not saved; 31 not locked.

TOTAL FLIGHTS

138

TOTAL PLANNED FUEL

456,563 LBS

TOTAL ACTUAL FUEL USED

458,287 LBS

TOTAL FUEL VARIANCE

+1,724 LBS

FUEL SAVING %

-0.38%

TOTAL PLANNED FLIGHT TIME

158:00

TOTAL ACTUAL FLIGHT TIME

160:27

TOTAL TIME VARIANCE

02:27

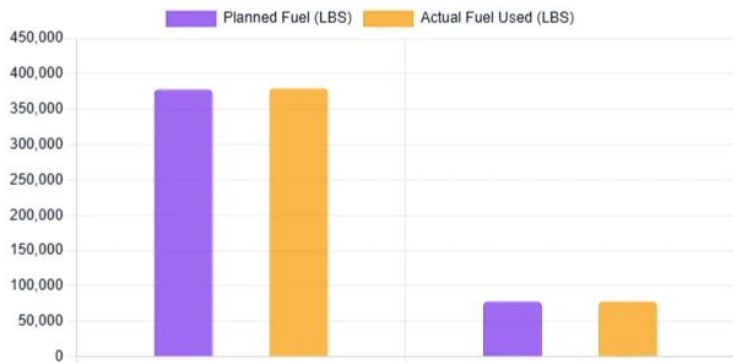
MOST FUEL-EFFICIENT AIRCRAFT

EPNEC

MOST FUEL-EFFICIENT PILOT

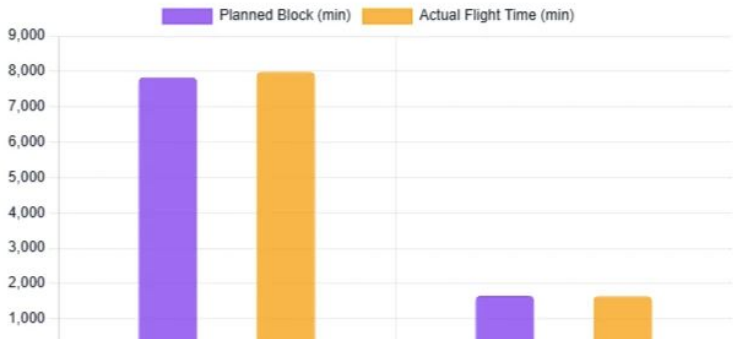
PAZHOOH, ERFAN

Planned vs Actual Trip Fuel by Aircraft



Planned vs Actual Flight Time by Aircraft

Actual = OFP Detail Flight Time



Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Statistics Fuel Monitoring

Uses the same backend dataset as Fuel Monitoring Dashboard (latest locked OFP per flight · Planned = Trip+Taxi · Actual = dest ACT USD · Unit LBS). Ranking uses Operational Efficiency Indicator – not a definitive pilot assessment.

[📈 Open Full Dashboard](#)

-- All Pilots --

08/17/2026

09/16/2026

3

☐ Exclude diversion/RTR

▼ Apply

COMPLETE FLIGHTS

138

FUEL SAVING %

-0.38%

BEST AIRCRAFT

EPNEC

BEST PILOT (INDICATOR)

PAZHOOH, ERFAN

Efficiency Score = (Fuel Saving % $\times$ 70%) + (Time Saving % $\times$ 30%) from total ratios $\cdot$ min 3 flights

Public catalogue capture - sensitive live data may be masked.

033 Equipment Requests - Rai-OPS

FLEET / MAINTENANCE

 Rai-OPS



Search menu items...

- Dashboard
- Iran Sky
- AI
- Game NEW
- Station Contact
- NOTAM
- NOTAM Artifacts
- FMS Database
- Today Weather
- Weather History
- Weather Predict
- Fleet Management

 BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM 

Developed by Mehdi Zenhari

Equipment Requests

Review, approve, and confirm supplier contact for maintenance GSE requests.

View Results

- Pending Approval
- Awaiting Supplier Contact



No requests in this queue.

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

FLEET / MAINTENANCE

Public catalogue capture - sensitive live data may be masked.

036 Dispatch Handover - Rai-OPS

FLIGHT OPERATIONS / DISPATCH

 Rai-OPS



 Dashboard

 Iran Sky

 AI

 Game NEW

 Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database

 Today Weather

 Weather History

 Weather Predict

 Fleet Management ▼

 BROWSER NOTIFICATIONS ●

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM 

 Developed by Mehdi Zenhari

Dispatch Handover

Flight dispatch handover form

 Print

Select Flight

Flight Date *



 Search Flights

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

101

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

 Search menu items...

-  Dashboard
-  Iran Sky
-  AI
-  Game NEW
-  Station Contact
-  NOTAM
-  NOTAM Artifacts
-  FMS Database
-  Today Weather
-  Weather History
-  Weather Predict
-  Fleet Management

Developed by Mehdi Zenhari

OFP data from Skyscraper logs – Summary (print/PDF) and Trip (full detail)

Date

09/16/2026

Route

e.g., OIMM - OIII

Hour

All

Filter

Reset

Showing 2 of 2 OFP(s)

Per page: 50 ▼

FLIGHT NO.	DATE	ROUTE	AIRCRAFT	ETD	ETA	SUMMARY	PRINT	CLC
RAI7529	2026-09-16	OIKK - OIMM	EPNEB (EMB-145 EP) - MSN: 145025	08:55	10:05	 Summary	 Print	 Sent 2026-09-16 08:24 Resend
RAI7568	2026-09-16	OIII - OIKK	EPNEB (EMB-145 EP) - MSN: 145025	06:30	07:48	 Summary	 Print	 Sent 2026-09-16 05:37 Resend

Public catalogue capture - sensitive live data may be masked.

039 Flights Bug - Rai-OPS

FLIGHT OPERATIONS / DISPATCH

Rai-OPS

Flights Bug

Flights whose operational times are not in chronological order

Out-of-Order Times

Missing Fields

Actual vs Block

Filters

From Date

To Date

09/01/2026

09/30/2026

Expected order: Gate Closed → Ready → Start → Off Block → Taxi → Takeoff → Landed → On Block

Search

Reset

Out-of-Order Flights

6

Sequence Rule

Equal times are allowed. Empty times are ignored. Overnight wrap (e.g. Takeoff 2350 → Landed 0030) is allowed.

Flights with Out-of-Order Times (Page 1 of 1)

DATE	FLIGHT	ROUTE	AIRCRAFT	TIMES	ORDER ISSUES	ACTION
2026-09-14 00:00:00	7521 7521	MHD-RAS	EP-NEC EMB-145EP	Gate Closed: 1532 Ready: 1445 Start: 1555 Off Block: 1555 Taxi: 1358 Takeoff: 1604 Landed: 1734 On Block: 1739	Ready (1445) occurs before Gate Closed (1532) Taxi (1358) occurs before Off Block (1555)	Edit
2026-09-13 00:00:00	7510 7510	THR-RAS	EP-NEC EMB-145EP	Gate Closed: 1656 Ready: 1707 Start: 1734 Off Block: 1735 Taxi: 1739 Takeoff: 1831 Landed: 2235 On Block: 1909	On Block (1909) occurs before Landed (2235)	Edit
2026-09-11 00:00:00	7533 7533	MHD-AZD	EP-NEB EMB-145EP	Gate Closed: 2223 Ready: 2335 Start: 2235 Off Block: 2235 Taxi: 2240 Takeoff: 2249 Landed: 2357 On Block: 0002	Start (2235) occurs before Ready (2335)	Edit
2026-09-08 00:00:00	7521 7521	MHD-RAS	EP-NEC EMB-145EP	Gate Closed: 1819 Ready: 1827 Start: 1828 Off Block: 1830 Taxi: 1835 Takeoff: 2220 Landed: 2028 On Block: 2033	Landed (2028) occurs before Takeoff (2220)	Edit
2026-09-06 00:00:00	7520 7520	RAS-MHD	EP-NEC EMB-145EP	Gate Closed: 0749 Ready: 0800 Start: 0804 Off Block: 0800 Taxi: 0807 Takeoff: 0815 Landed: 0940 On Block: 0945	Off Block (0800) occurs before Start (0804)	Edit

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

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CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

042 Tickets Management - Rai-OPS

RAIOPS PLATFORM

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Tickets Management

Approve with estimate, reject with reason, or complete and close tickets

Pending4

Approved7

Rejected36

Completed210

Total257

StatusAll

TypeAll

Filter

Clear

All Tickets

#	USER	TYPE	SUBJECT	STATUS	ESTIMATE	SUBMITTED	ACTIONS
#260	Khalil Darvishdoost	Editing	عدم ثبت رویداد	Pending Review	—	2026-09-06 07:20	Review
#253	Zeynab Badviseraji	Editing	SHOWING DIFFERENT CRE...	Pending Review	—	2026-08-24 02:20	Review
#252	Zeynab Badviseraji	Editing	WIND CHARTS AND SIG CH...	Pending Review	—	2026-08-24 02:03	Review
#250	Khalil Darvishdoost	Add Feature	add Origin	Pending Review	—	2026-08-10 08:28	Review
#249	Motahareh Khanahmadi	Development	درج تاریخ شمسی	Approved	2026-09-13 09:34	2026-08-09 10:23	Review
#247	Mostafa Seraj	Development	Aero... ایجاد صفحه جدید برای بررسی	Approved	2026-08-10 11:25	2026-08-08 07:46	Review
#216	Mostafa Seraj	Editing	...ی برای پروازهای در یک بازه تاریخی	Approved	2026-07-20 17:07	2026-07-19 12:43	Review
#215	Mostafa Seraj	Add Feature	...یکشن بعد از ارسال برنامه پروازی در	Approved	2026-07-20 17:07	2026-07-19 12:35	Review
#157	Pedram Shirazi	Editing	ET... در قسمت STEP اضافه کردن پک	Approved	2026-07-11 21:19	2026-07-05 17:14	Review
#156	Pedram Shirazi	Development	UPLIFT (LITER) ... اضافه کردن فیلد	Approved	2026-07-11 21:19	2026-07-05 17:10	Review

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

044 Audit Areas - Rai-OPS

SAFETY / COMPLIANCE

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

GameNEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS
Get RAIOPS alerts even when this tab is closed.
Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Audit Areas

Tree of audit areas

+ Add Area

NAME	PARENT	ENABLED	ORDER	ACTIONS
No audit areas yet. Click "Add Area" to create one.				

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

052 Create Audit - Rai-OPS

SAFETY / COMPLIANCE

 Rai-OPS



 Dashboard

 Iran Sky

 AI

 Game NEW

 Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database

 Today Weather

 Weather History

 Weather Predict

 Fleet Management ▼

 BROWSER NOTIFICATIONS ●

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM 

 Developed by Mehdi Zenhari

Create Audit

Audit plan (scope, criteria, team, meetings)

Create audit plan form (audit code, title, program, area, class, audited department, dates, scopes, criteria, team, meetings) – to be implemented.

← Back to Audits list

← Back to Audits

Public catalogue capture - sensitive live data may be masked.

053 Findings - Rai-OPS

SAFETY / COMPLIANCE

Rai-OPS

Dashboard

Iran Sky

AI

Game

NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Findings

List of findings

CODE	AUDIT	TITLE	SEVERITY	OWNER DEPT	STATUS	ACTIONS
No findings yet.						

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

Audit Reports

Findings by Department

 Overdue / Aging

Findings by Category / Severity

Audit Coverage

🔍 Search menu items...

 Dashboard

 Iran Sky

 AI

 Game

NEW

Station Contact

 NOTAM

NOTAM Artifacts

 FMS Database Today Weather Weather History Weather Predict Fleet Management

 BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

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055 RLSS - Rai-OPS

RAIOPS PLATFORM

 Rai-OPS



 Dashboard

 Iran Sky

 AI

 Game NEW

 Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database

 Today Weather

 Weather History

 Weather Predict

 Fleet Management ▼

 BROWSER NOTIFICATIONS ●

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM 

 Developed by Mehdi Zenhari

RLSS

RLSS Management System

 Part Search

Search for aircraft parts using Locatory API. Find parts by part number, condition, and quantity.

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Search for aircraft parts using Locatory API

Search Parameters

Part Number (PN) *

e.g., 313

Condition (COND) *

-- Select Condition --

Select a condition: All, AR, NE, NS, OH, SV (or combinations)

Quantity (QTY) *

1

 Search

Previous Searches

Search results saved in JSON. Use Search By Prev Search to load cached results without calling the API.

DATE	PART NUMBER	CONDITION	QTY	RESULTS	USER	ACTION
2026-09-14 10:38:25	3-1438-1	All	1	25	admin	🔍 Search By Prev Search
2026-09-14 10:37:35	313	All	1	79	admin	🔍 Search By Prev Search
2026-09-02 14:32:44	7013270-975	All	1	8	seraj.m	🔍 Search By Prev Search
2026-07-28 00:04:10	313	NE	1	32	admin	🔍 Search By Prev Search
2026-07-18 14:49:16	7510700-665	All	1	21	admin	🔍 Search By Prev Search
2026-07-05 13:50:04	313	SV	1	3	seraj.m	🔍 Search By Prev Search
2026-07-01 11:12:07	7021450-801	All	1	43	admin	🔍 Search By Prev Search
2026-06-21 15:18:53	5606	All	1	9	admin	🔍 Search By Prev Search
2026-06-13 20:08:45	1000649-2	All	1	31	admin	🔍 Search By Prev Search

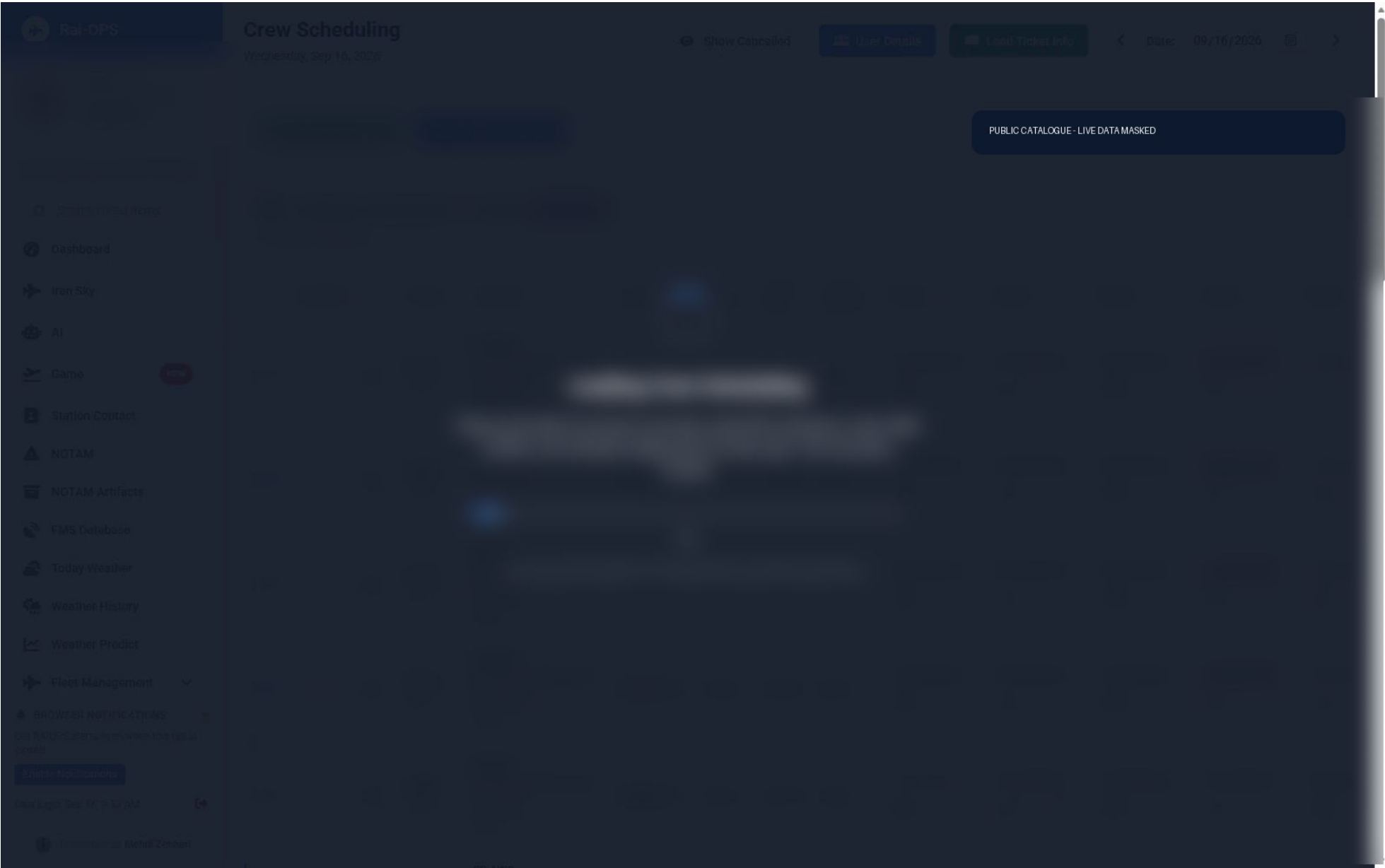
Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

058 Crew Scheduling - Rai-OPS

CREW / QUALIFICATION



Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

CREW / QUALIFICATION

The screenshot displays the 'Endorsement Management' section of the Rai-OPS application. The left sidebar contains a search bar and a list of navigation items: Dashboard, Iran Sky, AI, Game (marked with a red 'NEW' badge), Station Contact, NOTAM, NOTAM Artifacts, FMS Database, Today Weather, Weather History, Weather Predict, and Fleet Management (with a dropdown arrow). Below these is a 'BROWSER NOTIFICATIONS' section with a bell icon, a yellow status dot, and a description: 'Get RAIOPS alerts even when this tab is closed.' An 'Enable Notifications' button is present. At the bottom of the sidebar, it shows 'Last login: Sep 16, 9:13 AM' and a developer credit: 'Developed by Mehdi Zenhari'. The main content area has a dark header with the title 'Endorsement Management' and subtitle 'Manage aircraft type endorsements and role assignments'. A dark blue button labeled 'PUBLIC CATALOGUE - LIVE DATA MASKED' is in the top right. The main area contains a large, faint, light blue aircraft silhouette centered on a light gray background.

Public catalogue capture - sensitive live data may be masked.

063 Flight Monitoring - Rai-OPS

FLIGHT OPERATIONS / DISPATCH

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Flight Monitoring

Real-time flight operations timeline

From: 09/16/2026

To: 09/16/2026

Apply

User: All Users

Delay Codes

Refresh

Total Flights 7

Departed 1

Arrived 1

Canceled 3

Delay 0h 20m

Passengers 79

Flight Timeline

UTC

Wednesday, September 16, 2026 · Tehran (Local)

08:00

09:00

10:00

11:00

12:00

13:00

14:00

15:00

16:00

12:49

7568 - THR-KER - 10:20

Est 35m

7529 - KER-MHD - 13:00

Est 35m

7528 - MHD-KER - 15:20

7511 - RAS-THR...

10:20

11:45

13:00

14:30

15:20

16:55

08:10

09:05

FLIGHT OPERATIONS · NETWORK OVERVIEW

IRAN NETWORK

LIVE DISPATCH VIEW

Flight Routes

4 active routes | 2026-09-16 | IRST (Tehran)

Public catalogue capture - sensitive live data may be masked.

064 Flight Data - Rai-OPS

FLIGHT OPERATIONS / DISPATCH

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Flight Data

Flight Timeline - Wednesday, September 16, 2026

From: 09/16/2026

To: 09/16/2026

Update

Download Excel

Flight Timeline

Wednesday, September 16, 2026

07:0008:0009:0010:0011:0012:0013:0014:0015:0016:00

EP-NEB

7511 - RAS-THR

08:1009:05

7568 - THR-KER

10:2011:45

7529 - KER-MHD

13:0014:30

7528 - MHD-KER

15:2016:55

Flights Data Table

All flights for Wednesday, September 16, 2026

FLIGHT NO	ROUTE	AIRCRAFT	DEPARTURE	ARRIVAL	STATUS	DELAY (MIN)	PASSENGERS	ACTUAL OUT (UTC)	ACTUAL IN (UTC)	BLC TIM (MI)
7511	RAS-THR	EP-NEB (EMB-145EP)	2026-09-16 08:10	2026-09-16 09:05	Cancelled	-	-	-	-	-
7568	THR-KER	EP-NEB (EMB-145EP)	2026-09-16 10:00	2026-09-16 11:35	On Block	20	41 (41.00A)	2026-09-16 10:20	2026-09-16 11:45	85
7529	KER-MHD	EP-NEB (EMB-145EP)	2026-09-16 12:25	2026-09-16 13:55	Gate Closed	-	38 (34.00A, 3.00C, 1.00I)	2026-09-16 13:00	2026-09-16 14:30	90
7528	MHD-KER	EP-NEB (EMB-145EP)	2026-09-16 14:45	2026-09-16 16:20	Confirmed	-	-	2026-09-16 15:20	2026-09-16 16:55	95
7569	KER-THR	EP-NEB (EMB-145EP)	2026-09-16 17:05	2026-09-16 18:45	Confirmed	-	-	2026-09-16 17:40	2026-09-16 19:20	100
7522	THR-MHD	EP-NEB (EMB-145EP)	2026-09-16 19:35	2026-09-16 21:00	Cancelled	-	-	-	-	-

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

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FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

071 Pre-Planning - Rai-OPS

RAIOPS PLATFORM

Rai-OPS

PRE-PLANNING

Simulation - Pending / Confirmed flights only - not saved to DB

Pre-Planning

Wed, Sep 16, 2026 - same layout as crew scheduling; edit Pending or Confirmed flights, then Apply Simulation and FTL review.

New Crew Scheduling

Hide Cancelled

Departments

FTL / FDP Compliance

User Details

Load Ticket Info

<

Date: 09/16/2026

>

Calendar View

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Pre-Planning for Wed, Sep 16, 2026

27 total11 editable8 locked8 cancelled

Edit Pending or Confirmed flights in the 3-day window, then Apply Simulation and run FTL / FDP Compliance. Nothing is written to the operational database until you switch to operational scheduling.

Last Location for Tue, Sep 15, 2026 (Prev)

LOCATION	COCKPIT CREW	CABIN CREW
RAS Rasht International Airport	Aarabi Amiraram (PIC) Amiri Jami Mohammadamin (FM) Darestani farahani Ali (DH) Eghbali Omidreza (FM) Fathollahi Samira (SCC) Isaei Mohammad (FO) Janizadeh Bijargafsheh Fatemeh (CC) Mokhtarabadi Meisam (PIC) Mousavi Mehran (FM) Ravandi Mansour (PIC)	Davoodmanesh Raheleh Khoshnoodi Babak Seraj Seyed Mostafa
THR Mehrabad International Airport	Abbasi Zahra (CC) Abdsharifi Morteza (FO) Ayrempour Nima (PIC) Bedakhanian Danial (FO) Dousti Kiana (CC) Faraji Nesfchi Mahdi (SCC) Firouzbakht Setareh (SCC) Ghasemi Ehsan (FO) Hedayatiaram Farzad (FO) Hosseinzadeh Rouya (CC) Kahali Hamed (FM) Kakavandi Ali (PIC) Kalhor Fatemeh (CC) Keshavarz Kamyar (PIC) Khaki AmirHossein (PIC) Khodarahmicheshmehkaboud Sara (CC) Khordekar hamedani Mahtab sadat (SCC) Marefat Yaser (FO) Mirzaei Mohammadhossein (FO) Mohammadalizadehfariad Saeid (SCC) Najafzadeh Morteza (FO) Nasrollahzadehmehrabadi Mohammadamin (PIC) Nazardoust Mohammad (SCC) Pazhooh Erfan (PIC) Rezapanah Ali (SCC) Salehi Shaylin (CC) Seraj Mostafa (FO) Sharifi Naser (PIC) Shirazi Pedram (PIC) Tahmasebi Hesam (CC) Topchi Touiserkani Amirahmad (FO) Varmazyar Asal (SCC) Younesi Hashemi Kimiya (CC)	Davoodmanesh Reyhaneh Rafieifallah Amin Zenhari Mehdi (SCC1)
AZD Yazd Airport	Pouladkhan Mehdi (DH)	

Simulation mode

Changes are held in the browser until you apply simulation or discard.

Apply Simulation

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

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CREW / QUALIFICATION

FDP

FDP/FTL calculator – reads existing data and calculates in memory. V2

 Tables

 Calendar

🕒 Delay Reporting

🔍 Search menu items...

 Dashboard

 Iran Sky

 AI

Game

Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database Today Weather Weather History Weather Predict Fleet Management BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Choose a date range and crew, then press **Calculate**.

Public catalogue capture - sensitive live data may be masked.

073 Crew List - Rai-OPS

CREW / QUALIFICATION

 Rai-OPS

Crew List

Daily crew routes and flight patterns

From: 09/16/2026

To: 09/16/2026

PUBLIC CATALOGUE - LIVE DATA MASKED

Dashboard

Iran Sky

AI

Game NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

074 GD List - Rai-OPS

RAIOPS PLATFORM

 Rai-OPS

General Declaration (GD) List

Generate General Declaration forms for flights

From: 09/16/2026

To: 09/16/2026

PUBLIC CATALOGUE - LIVE DATA MASKED

Dashboard

Iran Sky

AI

Game NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management ▼

BROWSER NOTIFICATIONS ●

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

075 Daily Crew - Rai-OPS

CREW / QUALIFICATION

 Rai-OPS

Daily Crew

Crew members assigned to flights

From: 09/16/2026

To: 09/16/2026

Print

PUBLIC CATALOGUE - LIVE DATA MASKED

Search menu items...

Dashboard

Iran Sky

AI

Game NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Voyage Result

View and manage Commander Voyage Reports

View and manage Commander Voyage Reports

Voyage Reports

(6 records)

ID	COMMANDER/PIC	EMP. NO	FLIGHT NO	VOYAGE DATE	SUBMITTED BY	CREATED AT	ACTIONS
6	Nima Ayrempour	ayrempour.n	7523	Sep 16, 2026	Nima Ayrempour	Sep 16, 2026 09:15	View Detail
5	Amiraram Aarabi	aarabi.a	7521	Sep 14, 2026	Amiraram Aarabi	Sep 14, 2026 11:43	View Detail
4	Amiraram Aarabi	aarabi.a	7510	Sep 13, 2026	Amiraram Aarabi	Sep 13, 2026 20:02	View Detail
3	Nima Ayrempour	430900649	7527	Jul 18, 2026	Nima Ayrempour	Jul 18, 2026 08:06	View Detail
2	Nima Ayrempour	ayrempour.n	7527	Jul 16, 2026	Nima Ayrempour	Jul 14, 2026 08:48	View Detail
1	Erfan Pazhooh	pazhooh.e	7553	Jun 23, 2026	Erfan Pazhooh	Jul 1, 2026 08:41	View Detail

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Roster Management

Manage shift code assignments for crew members

FTL / FDP Compliance

PUBLIC CATALOGUE - LIVE DATA MASKED

🔍 Search menu items...

Dashboard

 Iran Sky

 AI

Game

Station Contact

 NOTAM

NOTAM Artifacts

 FMS Database Today Weather Weather History Weather Predict

 Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

083 Roster Viewer - Rai-OPS

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

METAR/TAFOR Real-time Weather Data

ICAO Station Code

Q Get Weather Data

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Payload Data

Manage payload weights for routes at different temperatures

 Weight Management

Choose an aircraft to view and manage payload data



EP-NEB

EMB-145EP



EP-NEC

EMB-145LR



EP-NEA

EMB-145EP

 Please select a register card above to view and manage payload data.

🔍 Search menu items...

Dashboard

 Iran Sky

 AI

Game

NEW

Station Contact

 NOTAM

 NOTAM Artifacts

 FMS Database Today Weather Weather History Weather Predict Fleet Management

 BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Public catalogue capture - sensitive live data may be masked.

088 Leave Management - Rai-OPS

RAIOPS PLATFORM

Rai-OPS

Dashboard

Iran Sky

AI

Game NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

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Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Leave Management

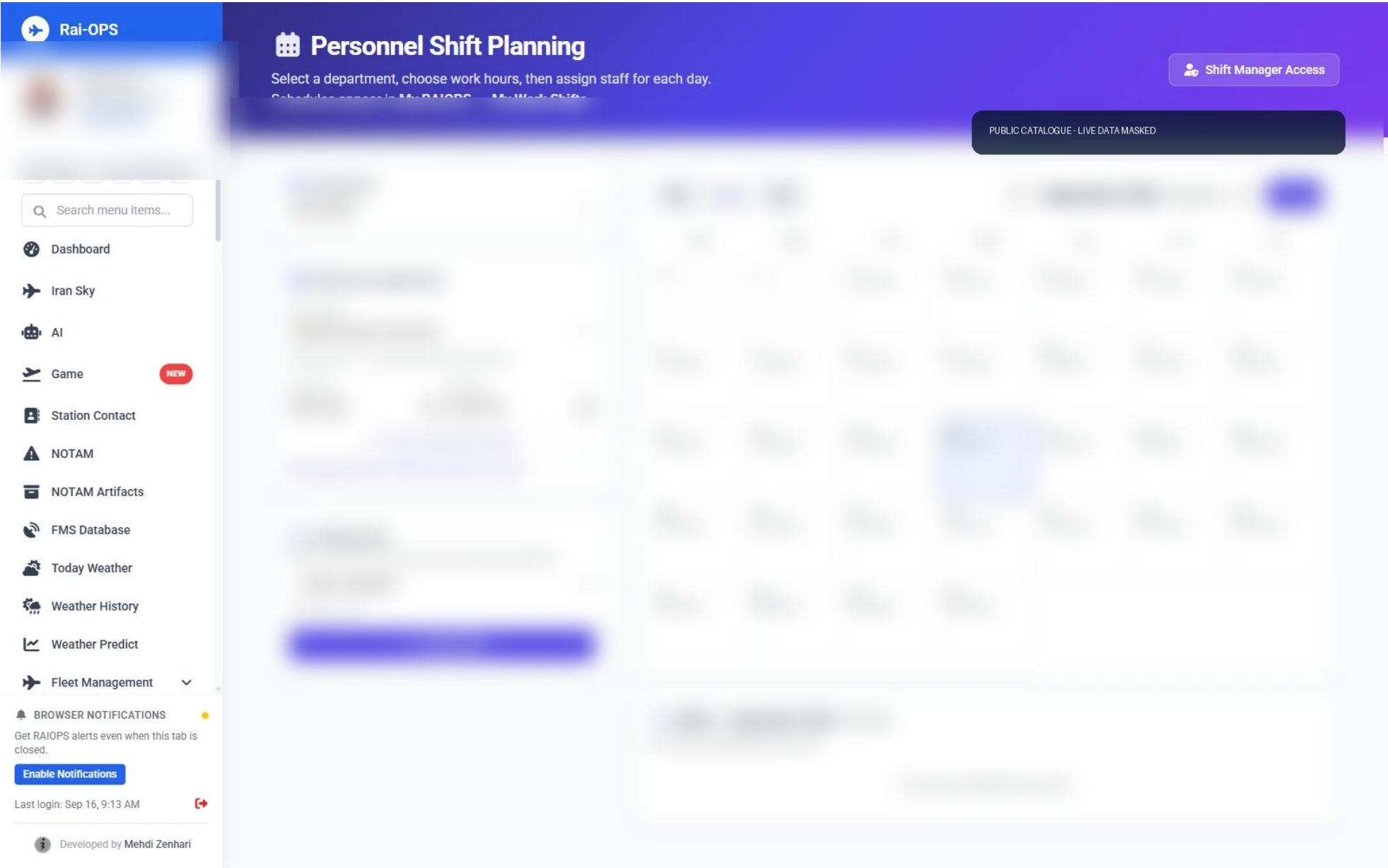
View and manage employee leave requests. On approval you can adjust the date range. Approved leave will be applied as LEV in roster.

PUBLIC CATALOGUE - LIVE DATA MASKED

Employee	Request Type	Start Date	End Date	Status	Comments
John Doe	Annual Leave	2023-09-15	2023-09-20	Approved	
Jane Smith	Sick Leave	2023-09-18	2023-09-19	Pending	
Mike Johnson	Annual Leave	2023-09-22	2023-09-25	Approved	
Sarah Lee	Annual Leave	2023-09-28	2023-10-05	Pending	
David Kim	Sick Leave	2023-10-01	2023-10-02	Approved	
Emily White	Annual Leave	2023-10-08	2023-10-12	Pending	
Chris Brown	Sick Leave	2023-10-15	2023-10-16	Approved	
Alex Green	Annual Leave	2023-10-22	2023-10-28	Pending	
Mia Black	Sick Leave	2023-10-30	2023-10-31	Approved	
Noah Grey	Annual Leave	2023-11-05	2023-11-10	Pending	
Olivia Blue	Sick Leave	2023-11-12	2023-11-13	Approved	
Liam Red	Annual Leave	2023-11-18	2023-11-22	Pending	
Ava Yellow	Sick Leave	2023-11-25	2023-11-26	Approved	
Ethan Purple	Annual Leave	2023-11-28	2023-12-02	Pending	
Sophia Pink	Sick Leave	2023-12-05	2023-12-06	Approved	
Lucas Orange	Annual Leave	2023-12-08	2023-12-12	Pending	
Isabella Green	Sick Leave	2023-12-15	2023-12-16	Approved	
Mason Blue	Annual Leave	2023-12-18	2023-12-22	Pending	
Charlotte Red	Sick Leave	2023-12-25	2023-12-26	Approved	
Benjamin Yellow	Annual Leave	2023-12-28	2024-01-02	Pending	
Abigail Purple	Sick Leave	2024-01-05	2024-01-06	Approved	
Elijah Pink	Annual Leave	2024-01-08	2024-01-12	Pending	
Madison Orange	Sick Leave	2024-01-15	2024-01-16	Approved	
William Green	Annual Leave	2024-01-18	2024-01-22	Pending	
Scarlett Blue	Sick Leave	2024-01-25	2024-01-26	Approved	
James Red	Annual Leave	2024-01-28	2024-02-02	Pending	
Chloe Yellow	Sick Leave	2024-02-05	2024-02-06	Approved	
Robert Purple	Annual Leave	2024-02-08	2024-02-12	Pending	
Grace Pink	Sick Leave	2024-02-15	2024-02-16	Approved	
Matthew Orange	Annual Leave	2024-02-18	2024-02-22	Pending	
Lily Green	Sick Leave	2024-02-25	2024-02-26	Approved	
Christopher Blue	Annual Leave	2024-02-28	2024-03-02	Pending	
Hannah Red	Sick Leave	2024-03-05	2024-03-06	Approved	
Andrew Yellow	Annual Leave	2024-03-08	2024-03-12	Pending	
Emily Purple	Sick Leave	2024-03-15	2024-03-16	Approved	
Joshua Pink	Annual Leave	2024-03-18	2024-03-22	Pending	
Ashley Orange	Sick Leave	2024-03-25	2024-03-26	Approved	
Daniel Green	Annual Leave	2024-03-28	2024-04-02	Pending	
Samantha Blue	Sick Leave	2024-04-05	2024-04-06	Approved	
Christopher Red	Annual Leave	2024-04-08	2024-04-12	Pending	
Madison Yellow	Sick Leave	2024-04-15	2024-04-16	Approved	
William Purple	Annual Leave	2024-04-18	2024-04-22	Pending	
Olivia Pink	Sick Leave	2024-04-25	2024-04-26	Approved	
Benjamin Orange	Annual Leave	2024-04-28	2024-05-02	Pending	
Abigail Green	Sick Leave	2024-05-05	2024-05-06	Approved	
Elijah Blue	Annual Leave	2024-05-08	2024-05-12	Pending	
Madison Red	Sick Leave	2024-05-15	2024-05-16	Approved	
Joshua Yellow	Annual Leave	2024-05-18	2024-05-22	Pending	
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Daniel Pink	Annual Leave	2024-05-28	2024-06-02	Pending	
Samantha Orange	Sick Leave	2024-06-05	2024-06-06	Approved	
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Olivia Yellow	Sick Leave	2024-06-25	2024-06-26	Approved	
Benjamin Purple	Annual Leave	2024-06-28	2024-07-02	Pending	
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Madison Red	Sick Leave	2024-12-15	2024-12-16	Approved	
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Olivia Purple	Sick Leave	2024-12-25	2024-12-26	Approved	
Benjamin Pink	Annual Leave	2024-12-28	2025-01-02	Pending	
Abigail Orange	Sick Leave	2025-01-05	2025-01-06	Approved	
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Ashley Yellow	Sick Leave	2025-01-25	2025-01-26	Approved	
Daniel Purple	Annual Leave	2025-01-28	2025-02-02	Pending	
Samantha Pink	Sick Leave	2025-02-05	2025-02-06	Approved	
Christopher Orange	Annual Leave	2025-02-08	2025-02-12	Pending	
Madison Green	Sick Leave	2025-02-15	2025-02-16	Approved	
William Blue	Annual Leave	2025-02-18	2025-02-22	Pending	
Olivia Red	Sick Leave	2025-02-25	2025-02-26	Approved	
Benjamin Yellow	Annual Leave	2025-02-28	2025-03-02	Pending	
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Olivia Purple	Sick Leave	2026-02-25	2026-02-26	Approved	
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Madison Purple	Sick Leave	2026-07-15	2026-07-16	Approved	
Joshua Pink	Annual Leave	2026-07-18	2026-07-22	Pending	
Ashley Orange	Sick Leave	2026-07-25	2026-		

089 Personnel Shift Planning - Rai-OPS

RAIOPS PLATFORM



Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Developed by Mehdi Zenhari

All flights with delay minutes recorded

Download CSV

From Date

To Date (leave empty for single day)

▼

Apply Filter

COUNT	AVERAGE	MAXIMUM	MINIMUM
838	63 min	895 min	2 min
Delayed Flights	Per Flight	Highest Delay	Lowest Delay

Flight Date	Aircraft (REGO)	Route	Task Start	Task End	Actual Out (UTC)	Actual In (UTC)	Total Delay (min)	Flight Number
2026-09-16 00:00:00	EP-NEB	THR-KER	2026-09-16 10:00	2026-09-16 11:35	2026-09-16 10:20	2026-09-16 11:45	20 min	7568
2026-09-15 00:00:00	EP-NEB	MHD-THR	2026-09-15 14:40	2026-09-15 16:00	2026-09-15 19:20	2026-09-15 20:50	282 min	7523
2026-09-15 00:00:00	EP-NEC	MHD-RAS	2026-09-15 13:45	2026-09-15 15:30	2026-09-15 15:32	2026-09-15 17:18	107 min	7521
2026-09-15 00:00:00	EP-NEB	KER-MHD	2026-09-15 12:20	2026-09-15 13:50	2026-09-15 17:00	2026-09-15 18:30	262 min	7529
2026-09-15 00:00:00	EP-NEC	RAS-MHD	2026-09-15 11:15	2026-09-15 12:55	2026-09-15 11:38	2026-09-15 13:20	23 min	7520
2026-09-15 00:00:00	EP-NEB	MHD-KER	2026-09-15 10:05	2026-09-15 11:40	2026-09-15 14:27	2026-09-15 16:00	262 min	7528
2026-09-15 00:00:00	EP-NEB	THR-MHD	2026-09-15 07:50	2026-09-15 09:15	2026-09-15 09:11	2026-09-15 10:52	81 min	7522
2026-09-14 00:00:00	EP-NEB	KER-THR	2026-09-14 18:45	2026-09-14 20:20	2026-09-15 01:00	2026-09-15 02:31	375 min	7569

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Public catalogue capture - sensitive live data may be masked.

FLIGHT OPERATIONS / DISPATCH

Route Load

Estimate passenger capacity for routes based on payload data and temperature

 Commerce Planning

Choose an aircraft to load its route payload data



EP-NEB

EMB-145EP



EP-NEC

EMB-145LR



EP-NEA

EMB-145EP

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FLEET / MAINTENANCE

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RAIOPS PLATFORM

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GROUND OPERATIONS

Public catalogue capture - sensitive live data may be masked.

GROUND OPERATIONS

Public catalogue capture - sensitive live data may be masked.

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GROUND OPERATIONS

Public catalogue capture - sensitive live data may be masked.

GROUND OPERATIONS

Public catalogue capture - sensitive live data may be masked.

GROUND OPERATIONS

DCS Details

Inbound DCS events from handling companies – first check-in, counter close, gate close

Filter

Flight	Date	Event	Event At	Received	Pax	Bags	GO	NO-SHOW	EXCEL	Details
RAI7529	2026-09-16	Gate Close	2026-09-16 13:37:57	2026-09-16 09:07:57	39	29	38	1		
RAI7529	2026-09-16	Counter Close	2026-09-16 13:15:04	2026-09-16 08:45:05	38	29	—	—		
RAI7523	2026-09-16	First Check-in	2026-09-16 13:04:30	2026-09-16 08:34:34	—	—	—	—		
RAI7529	2026-09-16	First Check-in	2026-09-16 12:27:28	2026-09-16 07:57:29	—	—	—	—		
RAI7568	2026-09-16	Gate Close	2026-09-16 10:45:07	2026-09-16 06:15:08	44	34	41	3		
RAI7568	2026-09-16	Counter Close	2026-09-16 10:41:48	2026-09-16 06:11:48	41	34	—	—		
RAI7568	2026-09-16	First Check-in	2026-09-16 09:25:31	2026-09-16 04:55:33	—	—	—	—		
RAI7569	2026-09-16	First Check-in	2026-09-16 09:09:22	2026-09-16 04:39:30	—	—	—	—		
RAI7523	2026-09-15	Gate Close	2026-09-15 20:14:48	2026-09-15 15:44:49	56	30	43	13		
RAI7523	2026-09-15	Counter Close	2026-09-15 19:39:39	2026-09-15 15:09:39	43	30	—	—		
RAI7523	2026-09-15	First Check-in	2026-09-15 18:09:01	2026-09-15 13:39:01	—	—	—	—		
RAI7529	2026-09-15	First Check-in	2026-09-15 16:36:29	2026-09-15 12:06:37	—	—	—	—		

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SAFETY / COMPLIANCE

Public catalogue capture - sensitive live data may be masked.

SAFETY / COMPLIANCE

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ADMINISTRATION / SUPPORT

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ADMINISTRATION / SUPPORT

Public catalogue capture - sensitive live data may be masked.

ADMINISTRATION / SUPPORT

Public catalogue capture - sensitive live data may be masked.

108 Office Time - Rai-OPS

ADMINISTRATION / SUPPORT

[illegible]

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ADMINISTRATION / SUPPORT

Public catalogue capture - sensitive live data may be masked.

110 Bale Bot Access - Rai-OPS

ADMINISTRATION / SUPPORT

Public catalogue capture - sensitive live data may be masked.

111 Contacts - Rai-OPS

ADMINISTRATION / SUPPORT

Rai-OPS

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

Contacts

View and search user contact information

PUBLIC CATALOGUE - LIVE DATA MASKED

Public catalogue capture - sensitive live data may be masked.

112 Personnel Card - Rai-OPS

RAIOPS PLATFORM

Rai-OPS

Personnel Card

Official staff ID card generated from User Data API

Search menu items...

Dashboard

Iran Sky

AI

Game

NEW

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

PUBLIC CATALOGUE - LIVE DATA MASKED

Public catalogue capture - sensitive live data may be masked.

RAIOPS | Product Interface Atlas - internal implementation URLs intentionally omitted

Developer: Mehdi Zenhari

177

113 Guest Manager - Rai-OPS

ADMINISTRATION / SUPPORT

Rai-OPS

Guest Manager

Capture guest photo, issue a guest card, and export JPG / PDF

Search menu items...

Dashboard

Iran Sky

AI

Game

Station Contact

NOTAM

NOTAM Artifacts

FMS Database

Today Weather

Weather History

Weather Predict

Fleet Management

BROWSER NOTIFICATIONS

Get RAIOPS alerts even when this tab is closed.

Enable Notifications

Last login: Sep 16, 9:13 AM

Developed by Mehdi Zenhari

PUBLIC CATALOGUE - LIVE DATA MASKED

Public catalogue capture - sensitive live data may be masked.

114 User Location - Rai-OPS

ADMINISTRATION / SUPPORT

The screenshot displays the 'User Location' section of the Rai-OPS application. On the left, a sidebar contains a search bar and a list of menu items: Dashboard, Iran Sky, AI, Game (marked with a red 'NEW' badge), Station Contact, NOTAM, NOTAM Artifacts, FMS Database, Today Weather, Weather History, Weather Predict, and Fleet Management (with a dropdown arrow). Below the menu is a 'BROWSER NOTIFICATIONS' section with a description and an 'Enable Notifications' button. At the bottom of the sidebar, it shows 'Last login: Sep 16, 9:13 AM' and a developer credit to 'Mehdi Zenhari'. The main content area features a map titled 'View user locations on map'. A dark overlay in the top right corner of the map area reads 'PUBLIC CATALOGUE - LIVE DATA MASKED'. The map itself is mostly blank, showing only faint outlines of landmasses.

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

CREW / QUALIFICATION

[illegible]

Public catalogue capture - sensitive live data may be masked.

CREW / QUALIFICATION

Public catalogue capture - sensitive live data may be masked.

RAIOPS PLATFORM

Public catalogue capture - sensitive live data may be masked.

ADMINISTRATION / SUPPORT

Public catalogue capture - sensitive live data may be masked.