CASR Platform and Modules
The platform

CASR (Civil Aviation Software for Regulators) is a cross-platform to all business areas of Aviation Authorities, aimed to support the workflows of each department, enabling data sharing between them.

CASR was born from the experience gathered during more than 12 years cooperation with several National Civil Aviation Authorities, allowing the development of an unique platform, covering most of the critical functions on Civil Aviation Regulation activity, with an easy to use solution.
The Platform
The platform

Designed for the management of worldwide Aviation Regulators

- Expertise exclusively focused on aviation regulators
- Dynamic and easy integration of new regulatory requirements
- Flexible and complete solution, fully integrated in pre-existing processes
The platform - interaction

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### The platform - Modules

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CASR - Licencing

- Issuance, revalidation and renewal of licenses and qualifications
- Issuance of Foreign License Validation Certificates
- Issue of Authorizations
- Central Document Repository
- Reuse of information from the modules of Training and Medical Certification

Aeronautical Personnel
Students, Cabin crew, Pilots CTA, TMA, Others

Issue Documents
Update Documents
Inquiry Processes

Documentation Requested
CASR - Training

- Bank of Questions Management
- Automatic Exam Generation
- Calendar and Event Management
- Application Management
- Computer Assisted Exams
- Automatic Classification and Guidelines

ATOs
Student Registration
Register Actions

Students Self-proposed
Inscription

Students Of Exams
Execution

Ratings And Guidelines
CASR - Aeromedical

- Certification of AMC
- Certification of AME
- Medical Evaluations
- Certification Issue
- Medical Centers (AMC)
- Doctors (AME)
- Access to External Entities
- Ratings Management

Medical records

Aeronautical Personnel
- Students,
- Cabin crew,
- Pilots
- CTA, TMA,
- Others

Medical Evaluations

AME / AMC / DCM

Medical Certificate
CASR - Airworthiness

- Booking Form
- Certificate of Enrollment
- Flight Certificate
- Certificate of destruction - dismantling
- Property Records of Property
- Registration Component Movements
- Technical Data Registration
- Component Movement Control
- Issuance of Certificates

Companies

Private Owners

Operators

Registration of Aircraft and Components

Property registration

Certificate of Navigation

COA / COTA

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CASR - Legal

- Registration Agreements
- Authorization Flying
- Order Scales
- Transgression

Individuals, Companies Or countries

- Transgression

Passengers

- Legislation and Regulation

Authorities

- Processes and Ordinances
- Legislation and Regulation
- Requested Documentation

- Projects of Legislation
- Regulatory Projects
- Litigation processes
- Issue of Flight Authorization
- Issue of Authorization of Scale and Overflight
- Registrations of Cancellations, delays or denied boarding
- Repository of Air Services Agreements

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Airport Managers and Handling Operators

Takeoff Movements

Landing movements

- Air Traffic Data registration
- Manual Registration or Electronic File Upload
- Web Services data integration
- Data Validation
- Data Consolidation for billing purposes (taxes, assessment)

Data Validation

Financial Movements

Airport Managers and Handling Operators

Takeoff Movements

Landing movements

- Air Traffic Data registration
- Manual Registration or Electronic File Upload
- Web Services data integration
- Data Validation
- Data Consolidation for billing purposes (taxes, assessment)
CASR - Audits & Inspection

- Planning Audits and Inspections
- Nonconformity Registration
- Correction Log
- Extension Management
- Requirements Control
Benefits
CASR Main benefits (I)

- High data and document security
- Audit and traceability of data and operations

Few solutions in the market have this features for CAA's

Ease of access to all types of documents
$\Rightarrow$ human resources efficiency

Few competing applications use this "core"

Compatible with various technologic solutions, application servers and databases (open source and enterprise)

Independence from proprietary software
CASR Main benefits (II)

- Customized workflows for each CAA
  - Competitors require changes of processes

- Ease of customization
  - Reduced implementation time

- Structured analysis of all the information in real time
  - Better knowledge

www.casr-software.com
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