

the safety maker in aviation

# GfL Airport Management Tools

– *for compliance and safety management* –

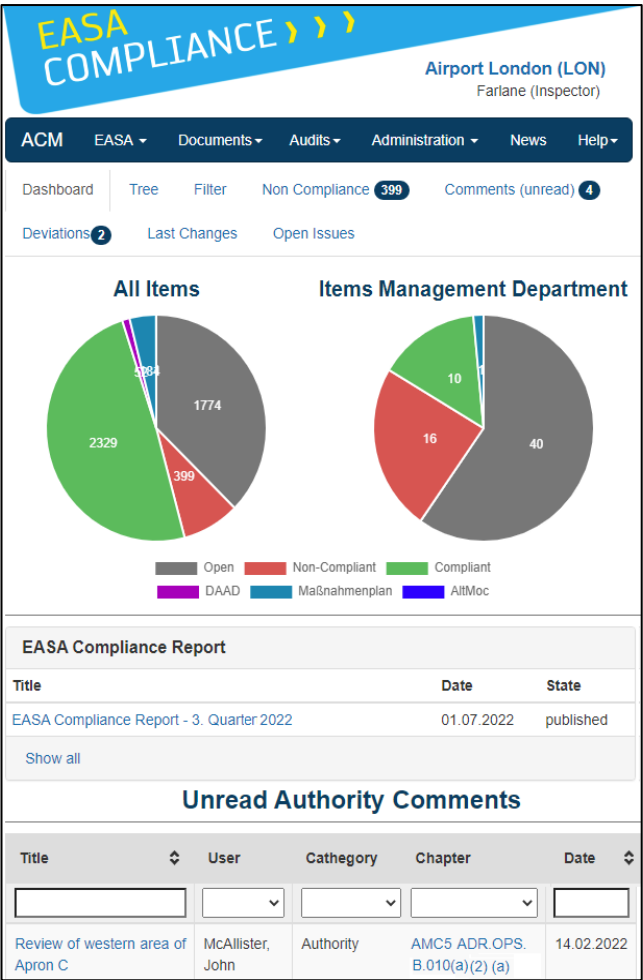


# GfL Airport Management Tools

With the Airport Management Tools, GfL has developed software solutions that enable the seamless integration of various customer-specific modules for compliance, safety and security management at airports.

## Airport Compliance Monitor (ACM)

Compliance at airports shall be documented and thoroughly monitored regarding the legal requirements such as *Regulation (EU) 2018/1139* and *Regulation (EU) No 139/2014* as well as the corresponding Acceptable Means of Compliance (AMC) and Guidance Material (GM) issued by EASA.

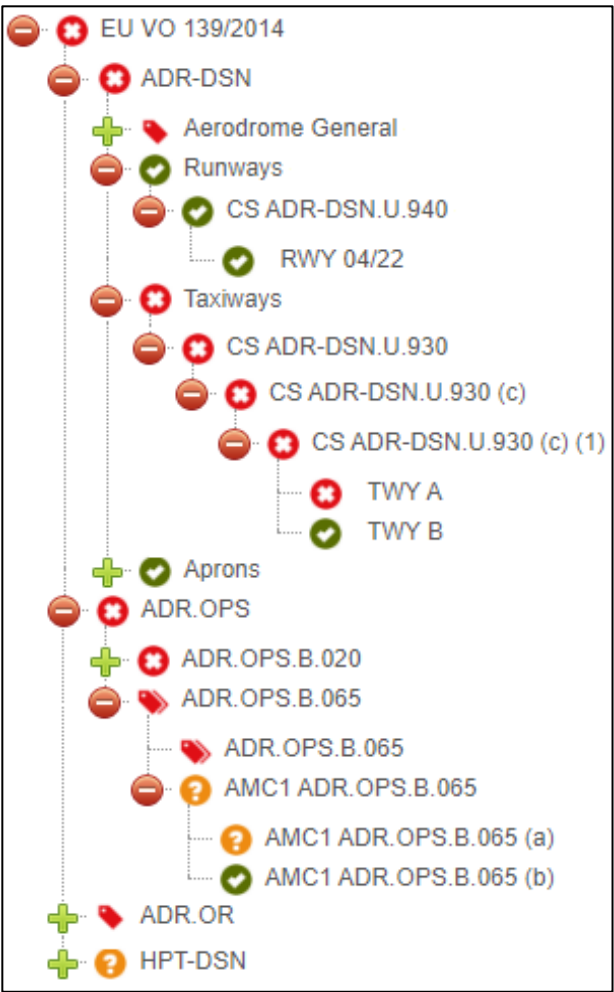


Dashboard ACM-Tools

To this end, GfL has developed the **Airport Compliance Monitor (ACM)**, a tool that serves in all aspects of monitoring compliance, internal auditing and legally compliant documentation; this as an internal company platform as well as proof to the responsible authorities.

The ACM tool provides the following features:

- Visualization of the legal requirements as a **tree diagram**, based on the structure of the EASA Easy Access Rules



Tree diagram of the test criteria

## GfL Airport Management Tools

- User-specific **Dashboard** view with information such as the level of compliance with the regulations within your own area of responsibility, the status of current audits, EASA compliance reports, as well as communication (unread comments) when the supervisory authority is involved in the tool
- **Extensive auditing support:** Thematic clustering of regulations, audit planning function, checklist management for regulation texts, question lists, audit report with deviations

Audit-Cluster	2023					
	Jan	Feb	Mar	Apr	May	Jun
ADR-OR General						
SMS						
Electrical Systems						
RWY Infrastructure						

*Audit Planning Overview*

- **File and document archive** with rights and revision management
- Possibility of **active involvement of the supervisory authority** in compliance management, including communication channel
- **Delegation of responsibilities** for items to specific users (groups)
- **Continuous version management**, which enables the implementation of regulatory **changes** as soon as they are published by the European Commission or EASA

- Automatic generation of quarterly **EASA compliance reports**
- Management of **deviations** (infrastructure-specific)

### CS ADR-DSN.B.095 (c) (Runway turn pads) - RWY 04/22

[Back](#)
[Activity History](#)

#### Overview

**last change:** 24.10.2022, 14:06 Uhr  
**responsible:** McAllister, John  
**current version:** 139/2014, ED 2017/021/R - Issue 4  
**infrastructure:** RWY 04/22  
**priority:** low  
**authority state:** read

#### Item State

CS ADR-DSN.B.095 (c)

GM1 ADR-DSN.B.095,

#### Deviations

Number	Title	Type	State	Deadline	Admin
LON-DAAD-0001	Turn Pad RWY 04/22	DAAD	approved	31.12.2032	

#### Current Situation

##### Description

Observed Clearance for B777-300ER is less than minimum specified in CS

##### Remarks

see LON-DAAD-001 for reference

##### Open Issues

DAAD not yet implemented

#### Comments (Authority/Airport)

Title	Company/Authority	User	Timestamp	State
Clearance B777-300ER	Authority	Ellers, Elizabeth	09.10.2020, 14:52	
Clearance B777	Airport	McAllister, John	12.10.2020, 09:43	

[History](#)

#### Attached Documents

Title	Category	User	Confidence	State	Admin
list_DAAD_approved	Deviations	McAllister, John	not confidential	31.08.2021	

*Data sheet of a test criterion*

## GfL Airport Management Tools

### Safety Management System (SMS)

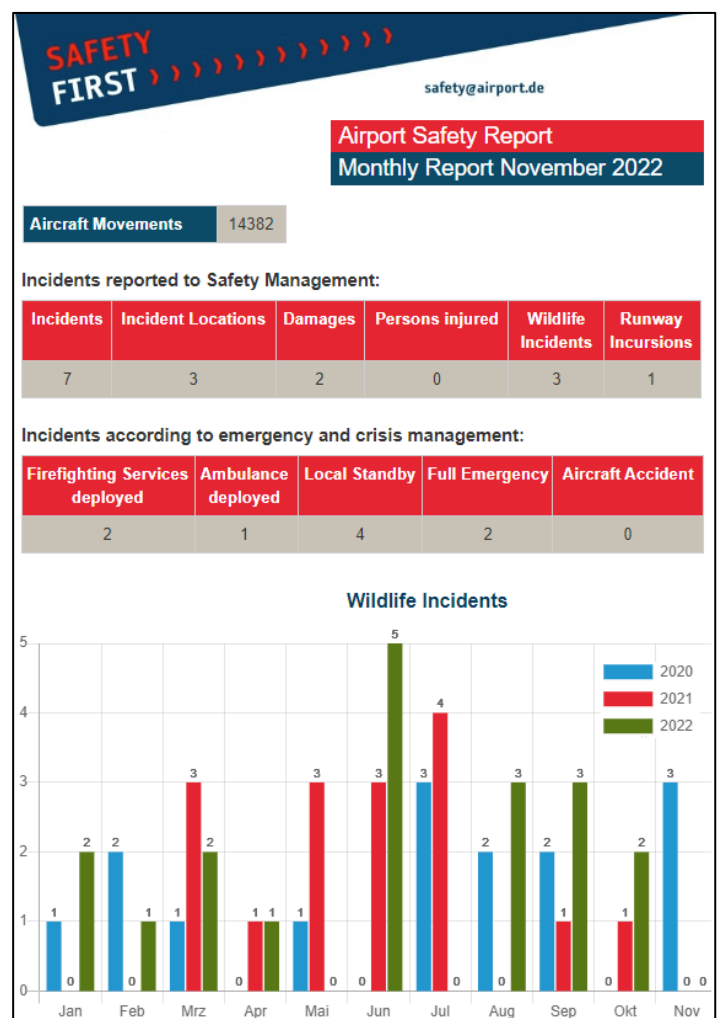
The **SMS-Tool** meets all the requirements prescribed by the authorities in accordance with Regulation (EU) No. 139/2014, ADR.OR. D.005.

The functionalities include:

- **Safety Manual**, including mapping of all **SMS processes** and **Safety Committees**
- **Reporting system** with company-specific forms including message tracking, risk assessment
- Preparation of **investigation reports** from existing reports
- **Process auditing**: planning function, clustering of processes, thematic questionnaires, audit report with detected deviations
- **Handling auditing** to verify Handling Service Providers
- Company-specific **Airport Safety Reports** created from the system
- Extensive **statistics function** incl. message location statistics, ACI benchmark, etc.
- **ECCAIRS2** interface for the transmission and processing of *occurrence reports*
- **File and document archive** with rights and revision management

Overview - Safety and Damage Reports								
Reset filter + sort								
Title	Type	Date	Number	IR	Link	State	Admin	
water damage	SA	07.12.2022	SM0138	no	no	unread		
oil spill	SM	29.10.2022	VM0047	no	no	open		
door damaged	SM	19.10.2022	SM0137	yes		open		
traffic accident	SM	19.10.2022	VM0048	yes		open		

Overview of Safety and Damage Reports



Excerpt from the Monthly Airport Safety Report

## GfL Airport Management Tools

### Digital Aerodrome Manual (DAM)

Part of the certification of an aerodrome is the **Aerodrome Manual (AM)**. To manage this GfL has developed the **DAM tool** with the following features:

- Mapping of the **tree structure** of the AM with filter function
- **Data sheet** with illustration of all information belonging to the respective chapter including versioning
- **File and document archive** with rights and revision management
- User-specific **rights management** per chapter; public / non-public pages
- Possibility of **active involvement of the supervisory authority** in the approval of content
- **Easy integration** into ACM or SMS tool

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For more information and your individual solution, please contact us by e-mail or phone.

Your personal contact person is:

Dipl.-Ing. Daniel Fiedler  
[fiedler@gfl-consult.de](mailto:fiedler@gfl-consult.de)

We would be happy to present our products to you!



*Excerpt from Digital Aerodrome Manual*

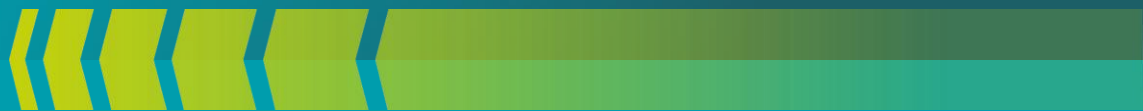
### Technical Requirements

- **Web-based (PHP) browser application** that is installed on the intranet or a defined network area of the client on a web server (typically Apache)
- Data storage of all data in a **relational database** (support for MySQL, SQL Server, Oracle, PostgreSQL)
- **Mobile device support**
- No additional license costs: The software is based on royalty-free open source technologies (Apache etc.)
- **Client requirements:** The user only needs a web browser (incl. Javascript) to use the software
- Option Software as a Service (SaaS)

### License and further development

- **Lifetime license with unlimited number of users**
- **Structural concept** is designed for individual implementation, so that the range of functions can be extended according to the requirements of the customer

## *GfL Airport Management Tools*



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