

The continuing oversight programme

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Aerodrome Certification

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EU-South East Asia Aviation Partnership Project (EU-SEA APP)

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by the European Union Aviation Safety Agency - EASA*

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An Agency of the European Union 

Introduction

Oversight



COMMISSION REGULATION (EU) N.
139/2014
of 12 February 2014
laying down requirements and
administrative procedures related to
aerodromes pursuant to Regulation
(EC) No 216/2008 of the European
Parliament and of the Council



Oversight

Oversight

ADR.AR.C.010 Oversight programme

Regulation (EU) No 139/2014

- (a) The Competent Authority shall for each aerodrome operator and provider of apron management services declaring their activity to the Competent Authority:
 - (1) establish and maintain an oversight programme covering the oversight activities required by [ADR.AR.C.005](#);
 - (2) apply an appropriate oversight planning cycle, not exceeding 48 months.
- (b) The oversight programme shall include within each oversight planning cycle, audits and inspections, including unannounced inspections, as appropriate.
- (c) The oversight programme and planning cycle shall reflect the safety performance of the aerodrome operator and risk exposure of the aerodrome.
- (d) The oversight programme shall include records of the dates when audits and inspections are due and when audits and inspections have been carried out.

Oversight

Oversight Program and planning cycle

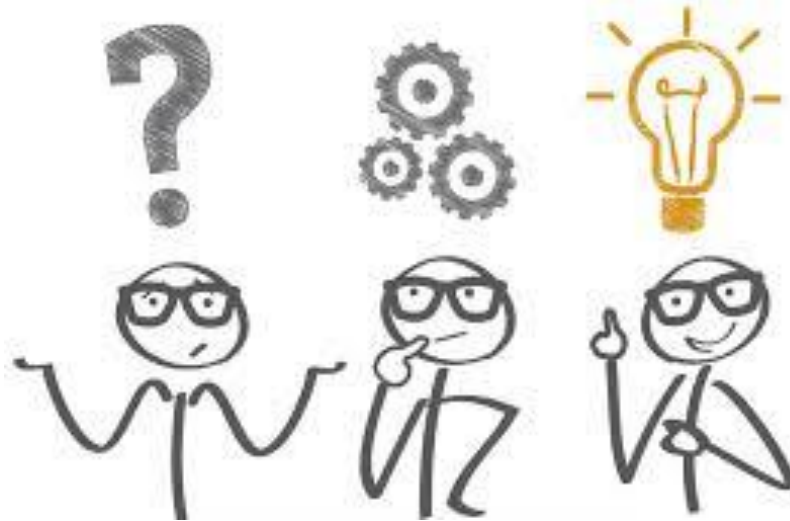
The Competent Authority shall for each aerodrome operator and provider of apron management services:



- (a) establish and maintain an oversight programme;
- (b) apply an appropriate oversight planning cycle not exceeding 48 months

Oversight

Oversight programme Oversight planning cycle



Oversight

Oversight Programme

The procedure, the Scope of inspections, Type of inspections, Joint audits, etc.

Oversight planning cycle

Inspections you will carry during the next 4 years where, what, when, who

Oversight Programme Scope

Oversight program should cover, but not be limited to, items from the following list:

- (1) aerodrome infrastructure and equipment;
- (2) visual aids and aerodrome electrical systems;
- (3) obstacle restriction and control;
- (4) aerodrome data reporting;
- (5) aerodrome emergency planning;
- (6) rescue and firefighting;
- (7) removal of disabled aircraft;
- (8) storage facilities and handling of dangerous goods and fuel, including fuel installations, fuel quality, and fuelling equipment;



Oversight Programme Scope

- (9) low visibility operations;
- (10) winter and adverse weather operations;
- (11) protection of radar, navigation aids, and other aerodrome equipment;
- (12) apron management;
- (13) apron safety management;
- (14) vehicle control on the movement area;
- (15) wildlife hazard management;
- (16) runway excursion and incursion prevention programmes of the aerodrome operator, as part of the Competent Authority's runway safety programme;
- (17) inspections of the movement area;
- (18) maintenance of the aerodrome systems and the movement area;
- (19) aerodrome works;



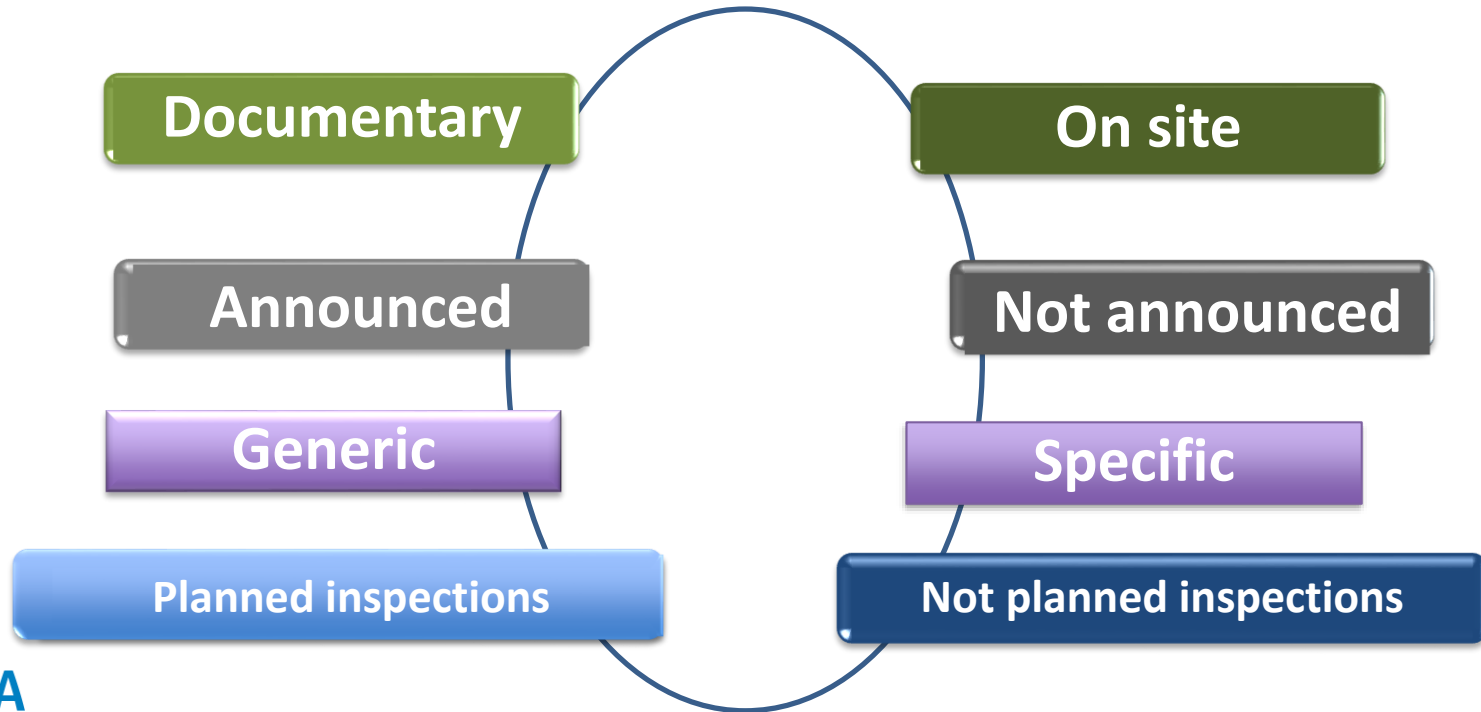
Oversight Programme Scope

- (20) protection against hazardous activities in the aerodrome surroundings;
- (21) personnel training and records, including review of training program on runway excursion and incursion prevention and its implementation;
- (22) aerodrome manuals and documentation;
- (23) operator's management system, including its safety management system and its quality, and security management system for aeronautical data; and
- (24) operator's oversight of the compliance of the organisations operating, or providing services at the aerodrome (third parties).



Oversight

Oversight Programme: Type of Inspections



Oversight

Oversight Programme: Type of Inspections



Announced

Not announced

Inspections may, at the discretion of the Competent Authority, be conducted with or without prior notice to the aerodrome operator, or the provider of apron management services.

Normally the inspections that are carried out by the Competent Authority should be with **prior notice** to the aerodrome operator or the provider apron management services.

Such notice should be given **in writing, and in good time before the inspection** so that the inspected entity can make all the necessary arrangements and preparations, and to **avoid the disruption of normal operations**.

In case an inspection is conducted without prior notice (unannounced inspection), the **aerodrome inspectors** should ensure that the **operations are affected to the minimum extent possible**.

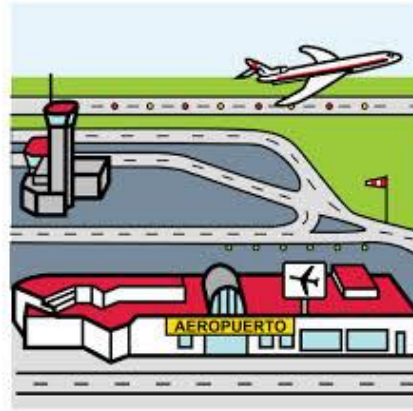
Oversight

Oversight Programme: Type of Inspections

Documentary

On site

Audits should include at least **one on-site audit** within each oversight planning cycle at each aerodrome.



Oversight

Oversight Programme: Type of Inspections

Generic

Specific

Audits can cover all the airport as a whole or may be covering only some specific parts with more detail. But, at the end of the Cycle, all the airport has to be covered



Oversight

Example of Specific Inspections in Spain

RS: RUNWAY SAFETY (including incursions and excursions)

WIL: WILDLIFE (including bird strike)

AMC (LVP): ADVERSE METEOROLOGICAL CONDITIONS (including low visibility procedure)

VA: VISUAL AIDS (including airport lighting control and monitoring systems)

OLS: OBSTACLE CONTROL (safeguarding of aerodrome surroundings)

ARF: AIRCRAFT RESCUE AND FIRE FIGHTING

Planned inspections

- 90% Announced, and 10% not announced-*ADR.AR.C.005 (b)*

Not planned inspections

- ≈ a 10% of non planned inspections per year (unexpected situations).



The Program shall include interfaces:

Inspections and audits may be conducted separately or in combination.

Joint audits with competent authorities for other areas should also be performed because they are particularly effective to examine the interfaces between different actors at the aerodrome (e.g. airport and ATC), including the prevention of runway excursions and incursions.



Oversight

Oversight

Planning

Cycle



SPAIN

Oversight Plan (2015-2022)



Average of airports that are inspected every year: **21**

AEROPUERTO	INSPECCIÓN							
	2015	2016	2017	2018	2019	2020	2021	2022
Barcelona - El Prat	1A	RECERT	2A	3A	4A	1A	2A	3A
Gran Canaria	CERT	1A	2A	3A	4A	1A	2A	3A
Madrid - Barajas	2A	RECERT	3A	4A	1A	2A	3A	4A
Málaga - Costa del Sol	3A	RECERT	4A	1A	2A	3A	4A	1A
Palma de Mallorca	4A	RECERT	1A	2A	3A	4A	1A	2A
A Coruña		CERT		5B		7B		1B
Alicante	3B		CERT		7B		1B	
Almería	5B		CERT		1B		3B	
Asturias		CERT	1B		3B		5B	
Bilbao	CERT	7B		1B		3B		5B
Burgos		1B	CERT		3B		5B	
Córdoba		7B		1B		3B		5B
El Hierro	1B		CERT		3B		5B	
Fuerteventura	5B		CERT		7B		1B	
Granada - Jaén		CERT	5B		7B		1B	
Gerona - Costa Brava		3B	CERT		5B		7B	
Huesca - Pirineos		CERT		7B		1B		3B
Ibiza	1B	CERT		3B		5B		7B
Jerez		CERT	3B		5B		7B	
La Gomera		CERT		3B		5B		7B
La Palma	3B	CERT		5B		7B		1B
Lanzarote	1B	CERT		1B		3B		5B
Logroño - Agoncillo	CERT		5B		7B		1B	
Madrid - Cuatro Vientos	7B		1B		3B		5B	
Melilla	1B		CERT		3B		5B	
Menorca	CERT		3B		5B		7B	
Pamplona	CERT		1B		3B		5B	
Reus	CERT		7B		1B		3B	
Sabadell		3B		5B		7B		1B
San Sebastián	CERT	5B		7B		1B		3B
Santander	CERT		3B		5B		7B	
Santiago de Compostela	5B	CERT		7B		1B		3B
Sevilla	CERT	1B		3B		5B		7B
Son Bonet (Mallorca)		5B		7B		1B		3B
Tenerife Norte		CERT	5B		7B		1B	
Tenerife Sur	CERT	1B		3B		5B		7B
Valencia		1B	CERT		3B		5B	
Vigo		CERT		3B		5B		7B
Vitoria	CERT		1B		3B		5B	
Zaragoza		CERT	5B		7B		1B	
Castellón		5B		7B		1B		3B
Lleida	5B			7B		1B		3B
Murcia		1B		3B		5B		7B
Teruel		7B		1B		3B		5B
Algeciras		CERT		1B		3B		5B
Ceuta		3B	CERT		5B		7B	
La Seu D'Urgell		5B		7B		1B		3B

Oversight

Oversight Programme





Annual Calendar

The Competent Authority should be able to **monitor dates** when audits and inspections are due, and when they have been carried out

CALENDARIO ANUAL DE INSPECCIONES 2018 DE LA DSOA		CSA-18-INF 255
AGENCIA ESTATAL DE SEGURIDAD AEREA		Edición 1.0
DOCUMENTACIÓN INTERNA		DSACPU
		PS-DAN-INSP-01

INFORME

CALENDARIO ANUAL DE INSPECCIONES 2018 DE LA DSOA

	RESPONSABLE	FIRMA	CARGO
Revisión:	Adrián Muelas Gil		Jefe del Servicio de Operaciones y Coordinación de Aeródromos
	Iraia Irazabal Remuñán		Jefa del Servicio de Infraestructuras y Mantenimiento de Aeródromos
Conformidad:	Ruth Herrero Martín P.A. EL COORDINADOR DE SEGURIDAD DE AEROPUERTOS		Jefa de la División de Seguridad Operacional de Aeródromos
Aprobación:	Juan Luis Maestre Martínez		Coordinador de Seguridad de Aeropuertos

P4.1. Safety Management System

Focused Oversight

Risk Based Oversight

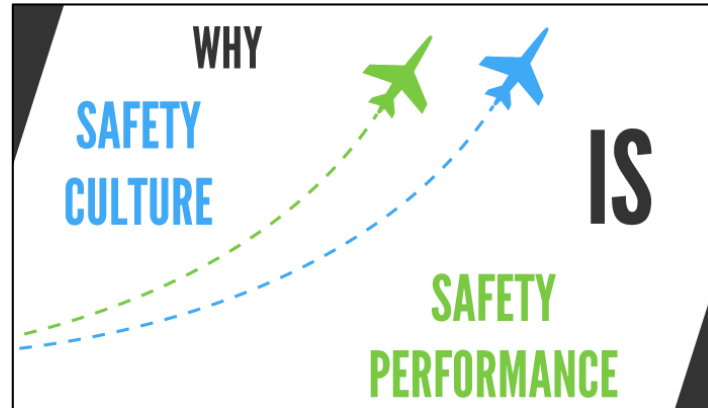
Performance Based Oversight

Oversight

ADR.AR.C.010 Oversight programme

Regulation (EU) No 139/2014

- (c) The oversight programme and planning cycle shall reflect the safety performance of the aerodrome operator and risk exposure of the aerodrome.



Safety Management System

PERFORMANCE BASED OVERSIGHT

Aerodrome Operators may be performing better or worse. According to how much the CAA trust a particular Aerodrome Operator Oversight may be increased or decreased

- Safety Culture and Knowledge of the Management
- Resources available
- Key Performance Indicators
- Good/Bad implementation of Corrective Action Plans
- Good/Bad Change Management
- Good/Bad Results in previous audits
- Good/Bad Information coming from LRSTs or Apronc Comitees
- “Gut feeling of the CAA”
-

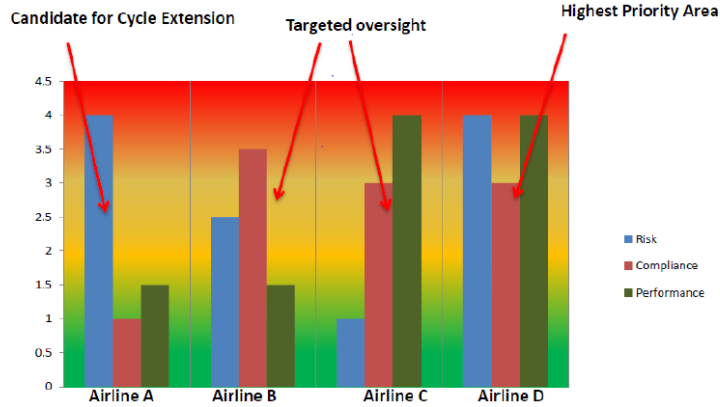
Safety Management System

RISK BASED OVERSIGHT

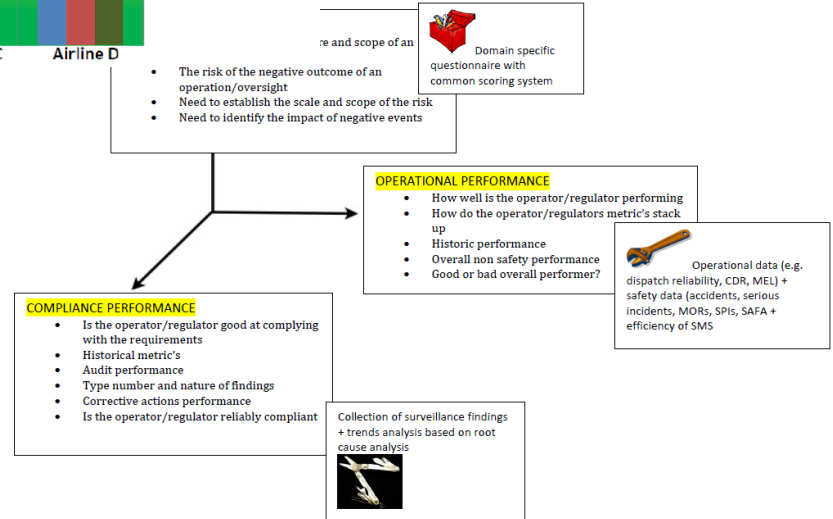
Aerodromes may be exposed to more risk or less risk because internal or external parameters. According to the risk exposure the Aerodrome Operator Oversight of a particular aerodrome may be increased or decreased

- Number of movements and seasonal traffic
- Aircrafts and Users served
- Complexity of the Layout
- Weather (Visibility, Wind, Rain, etc.)
- Environment. (Terrain, Obstacles, Urban areas, Wildlife)
- Number and severity of occurrences
- Number of changes recently implemented
-

P4.1. Safety Management System



IRELAND

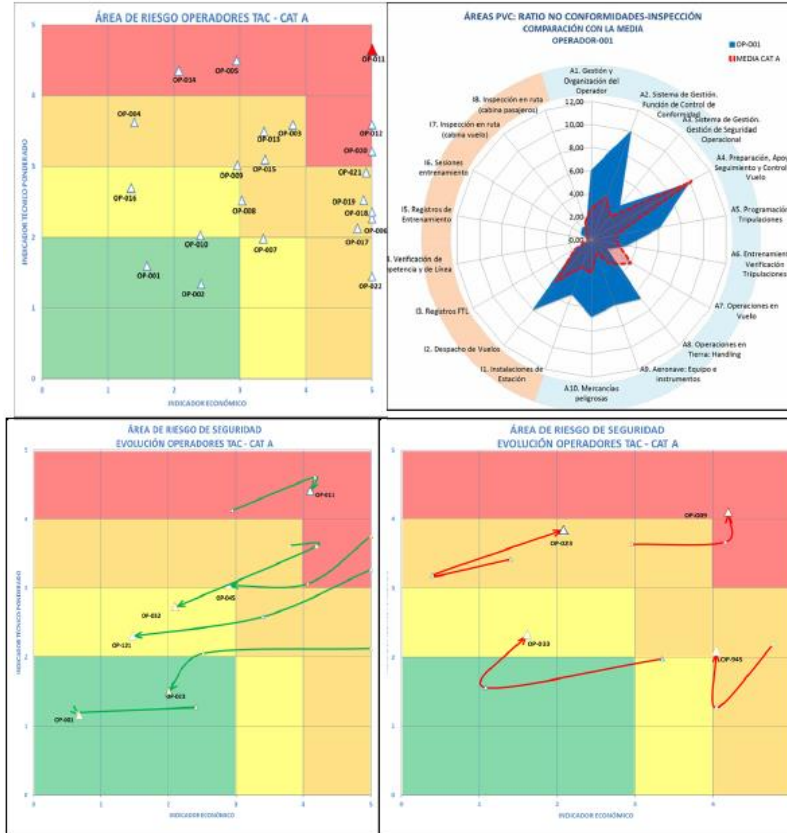


P4.1. Safety Management System



Flight Standards Directorate


Practices for risk-based oversight



SPAIN

P4.1. Safety Management System

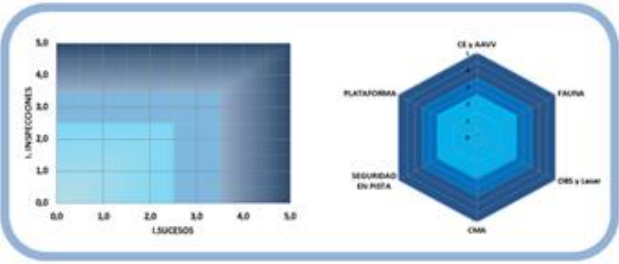
SPAIN



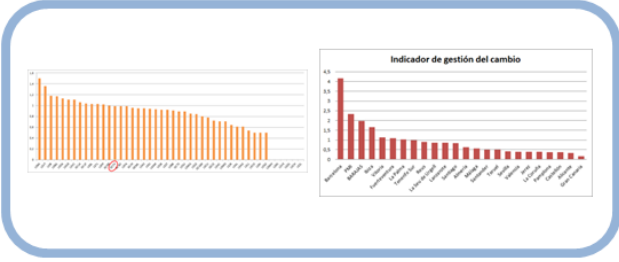
EASA
European Aviation Safety Agency
Flight Standards Directorate

Practices for risk-based oversight

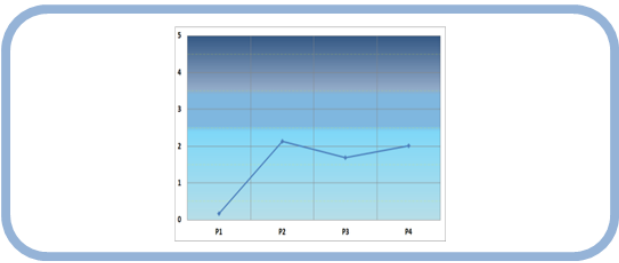
FORMAS DE REPRESENTACIÓN



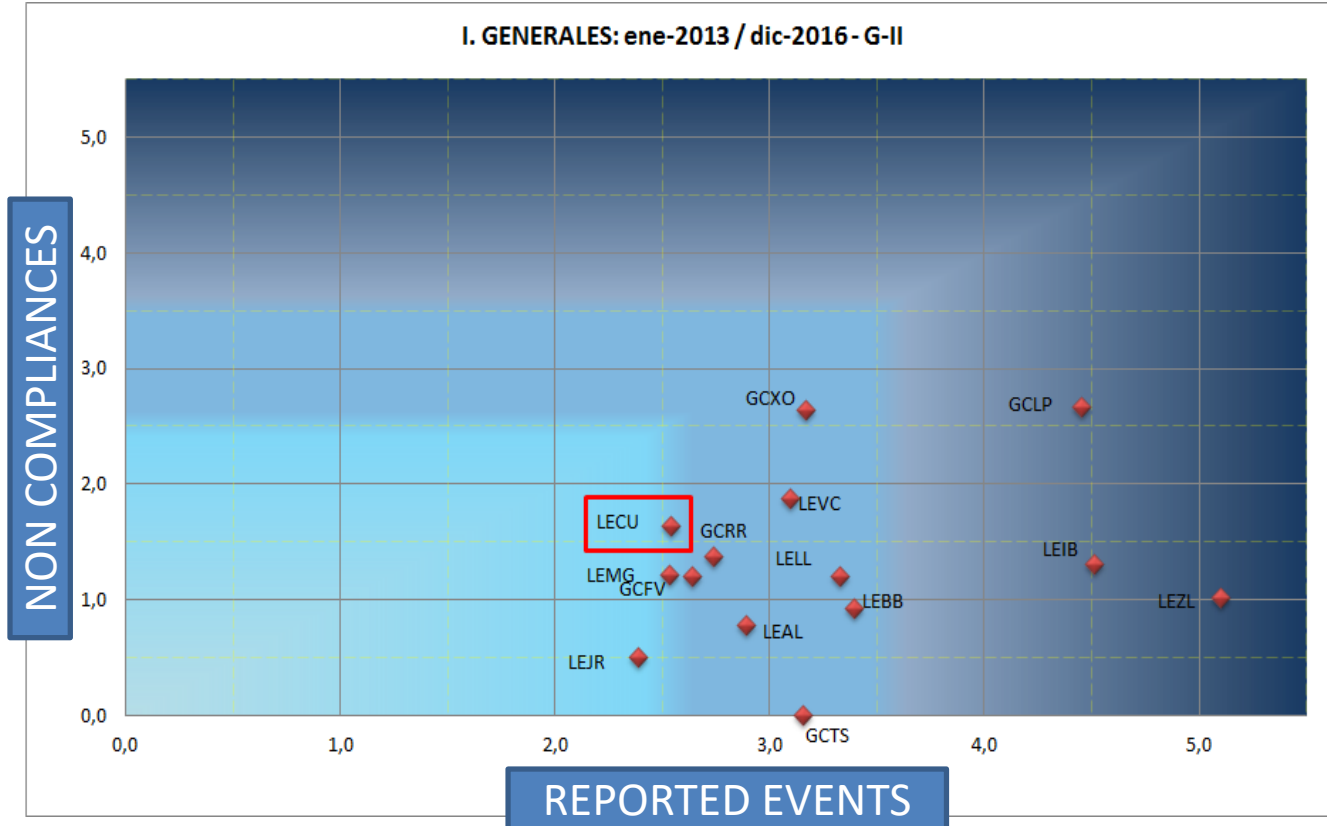
FORMAS DE REPRESENTACIÓN



FORMA DE REPRESENTACIÓN



P4.1. Safety Management System



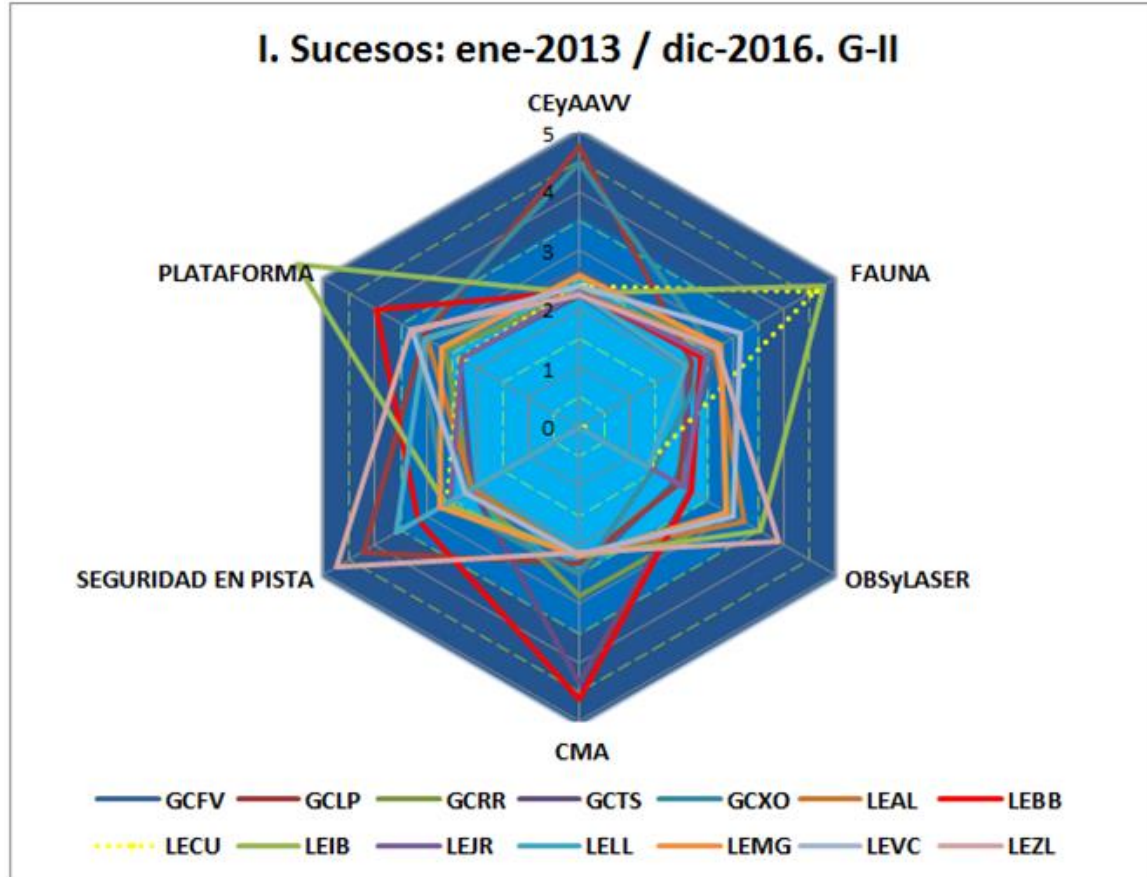
P4.1. Safety Management System



COMBINED
INDICATORS

OPERATIONAL
FOCUSED

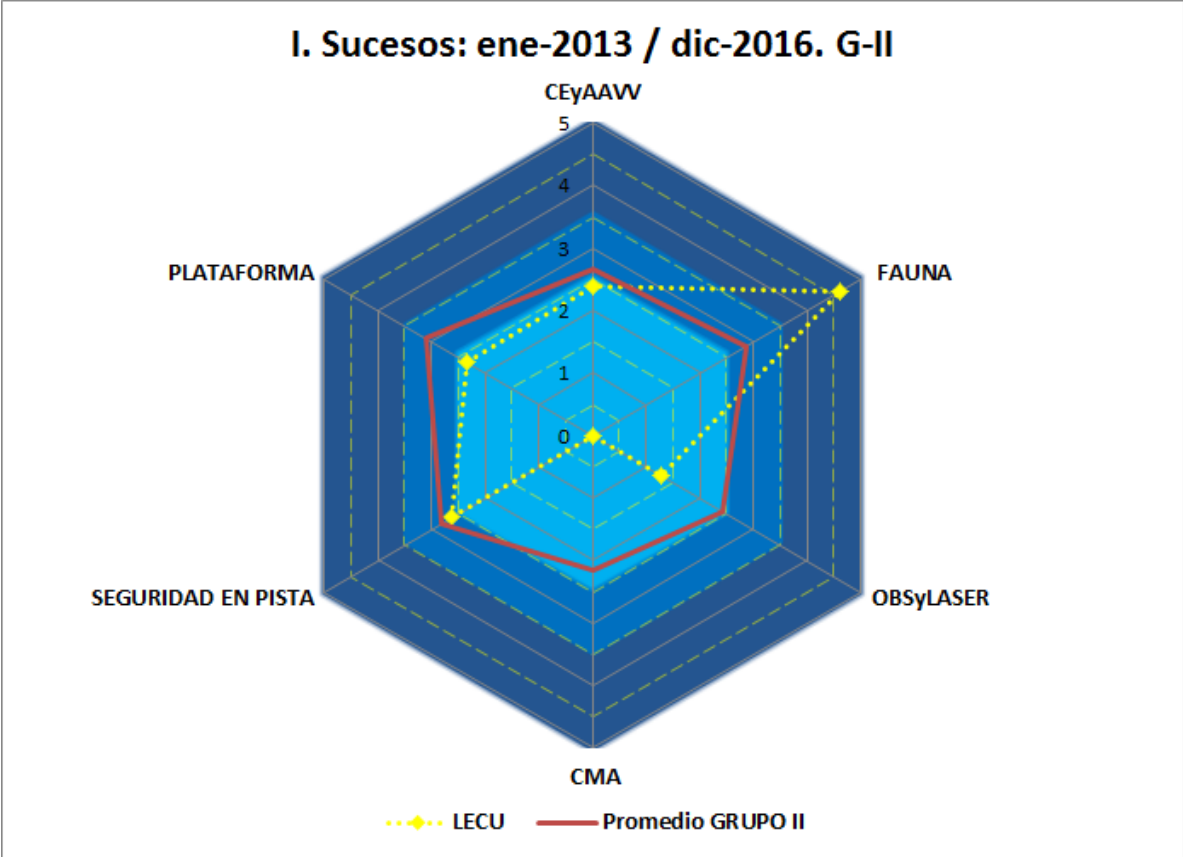
AIRPORTS
COMPARED



P4.1. Safety Management System



1 AIRPORT
VS
DE AVERAGE OF ITS
AIRPORTS GROUP

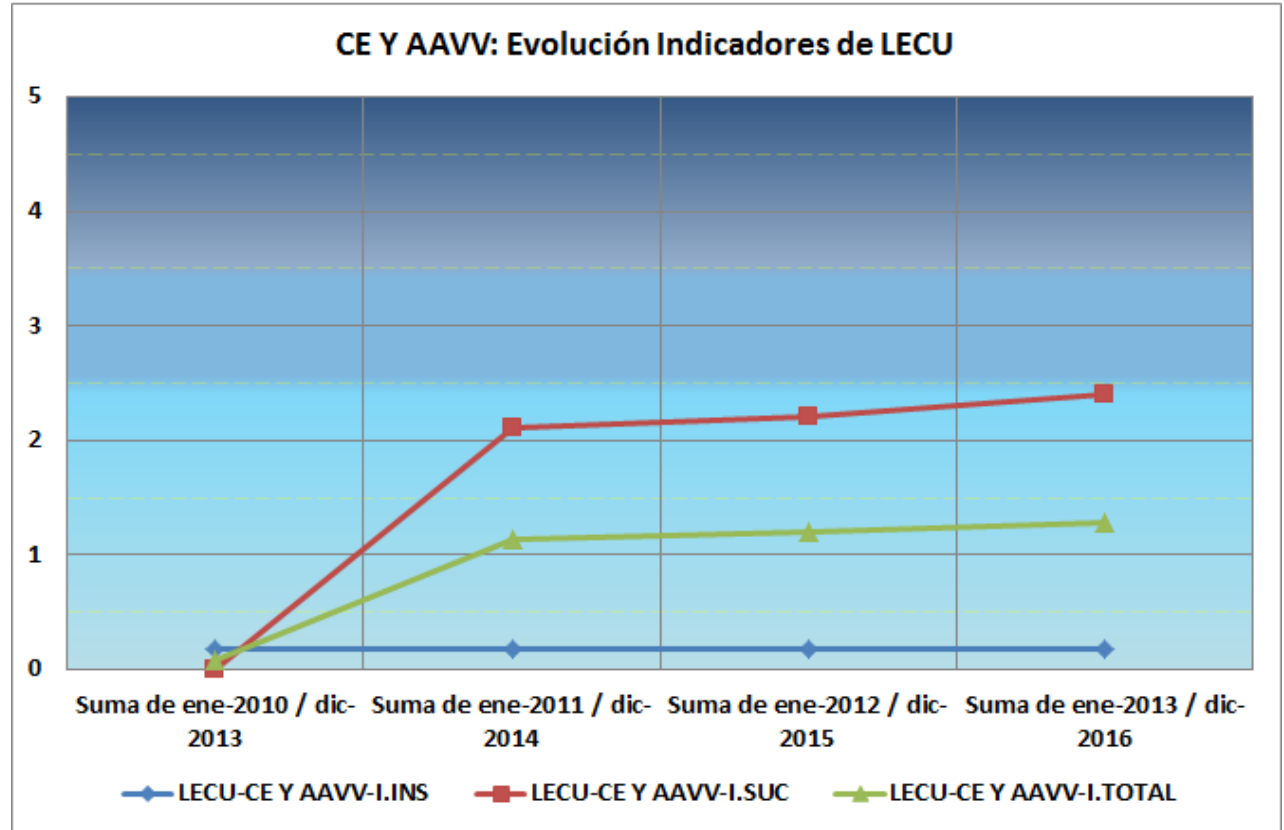


P4.1. Safety Management System



INDICATORS
EVOLUTION

RISK AREAS
FOCUSED



Oversight



The continuing oversight programme

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easa.europa.eu/connect



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