

**Қазақстан Республикасы
инвестициялар
және даму министрлігі**



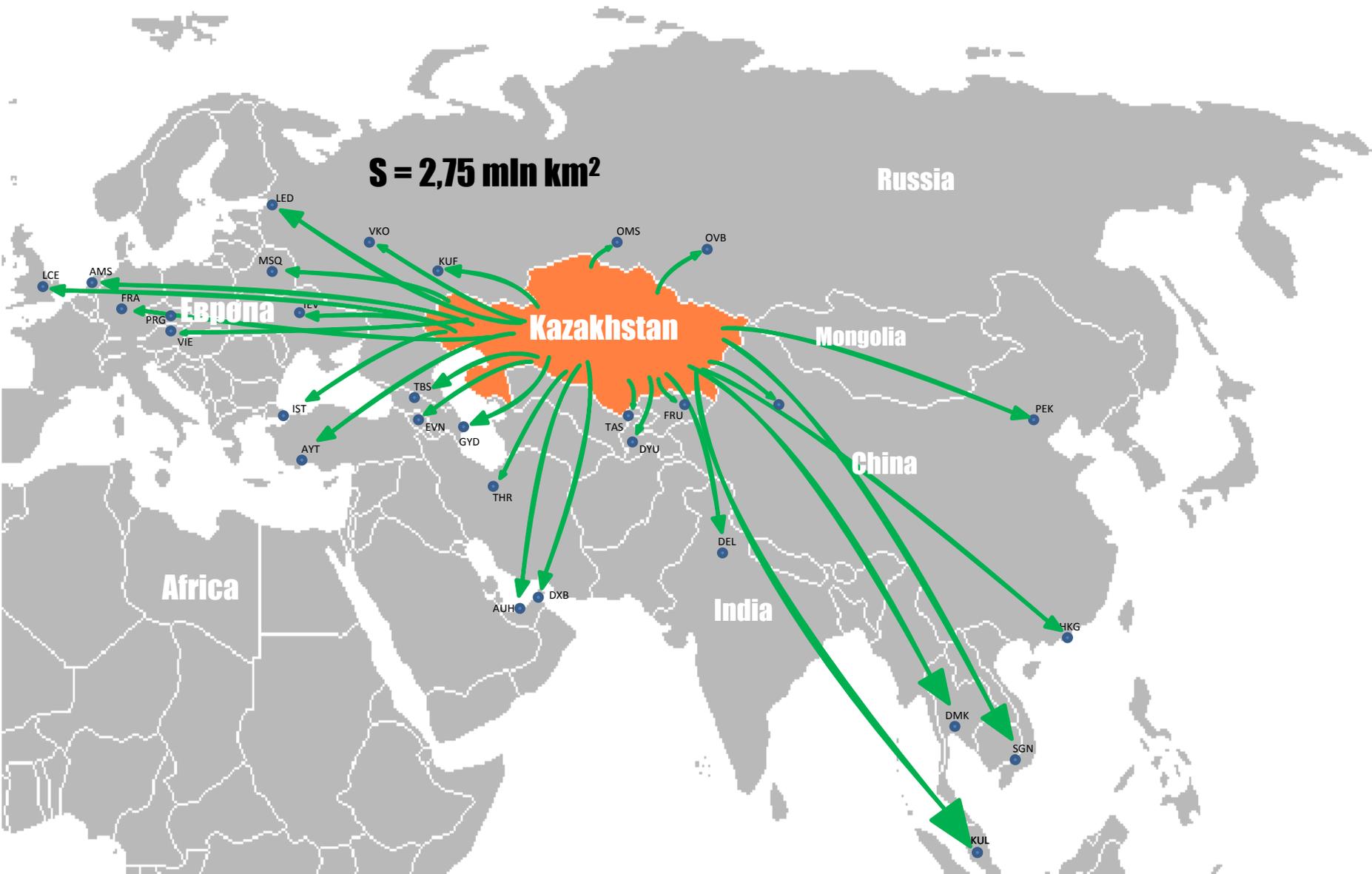
**Ministry of investment and
development of the
Republic Kazakhstan**

**The experience of Republic of Kazakhstan with the TCB
ICAO for modernization of the civil aviation**

Astana, 2014 г.

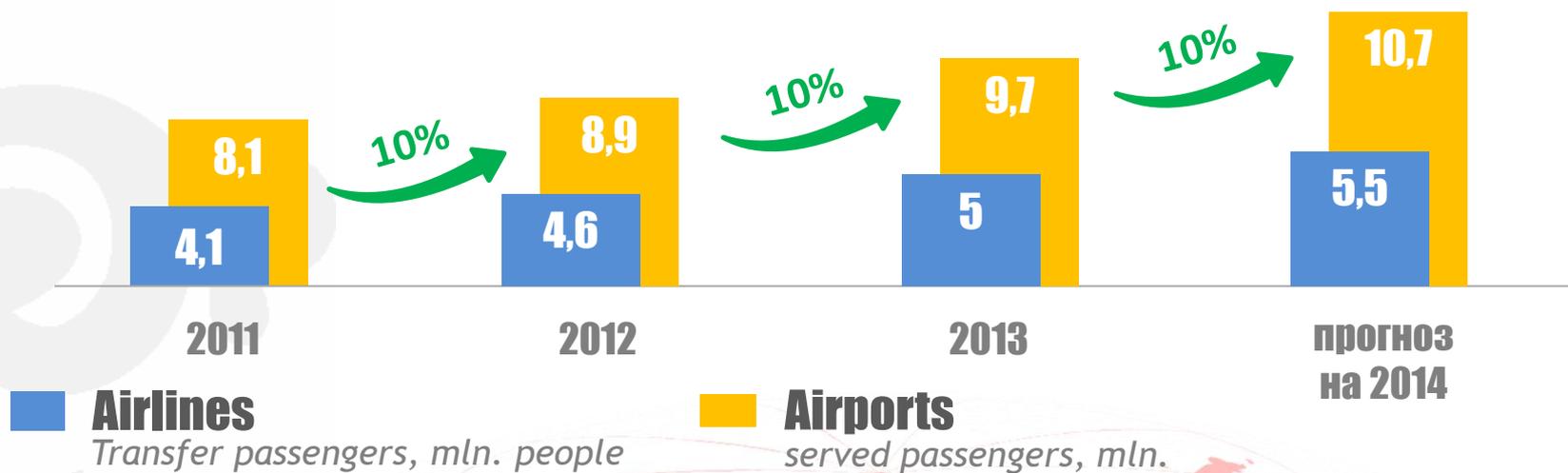


Geography of the Republic of Kazakhstan





Indicators of the civil aviation industry



The market for international air transportation

EU – 8 routes

CIS – 49 routes

Asia & SG
– 27 routes

Opening the new 39 international routes until 2017



The Government of the Republic of Kazakhstan

Prime Minister

Ministry of investment and development

Civil Aviation Committee

"Kazaeronavigatsia"

4 - reg. center

15 - branches

**Airlines
(AOC 23 +
AW 22)**

**Airports
(18)**

**Training
centers
(12)**

**MRO
(32)**

Personal - > 20000



Airlines



Appointment	2009	2013	2014
Schedule passenger	8	5	5
Un-Schedule passenger	29	23	18
Operators performing aviation works	33	32	22
TOTAL:	70	60	45

AIRCRAFT FLEET

Nomination	Aircraft	western type	soviet type
1) Commercial service	104	71	33
Schedule	67	52	15
Un-Schedule	37	19	18
2) Helicopters	101	45	56
3) Operators performing aircraft of the small aircraft	211	22	189
4) Aircraft ultralight aviation	90	90	
TOTAL:	506	228	278

The average age of aircraft operating by schedule -

10 years



KAZAERONAVIGATSIA



The total length of the airways - 80,000 km

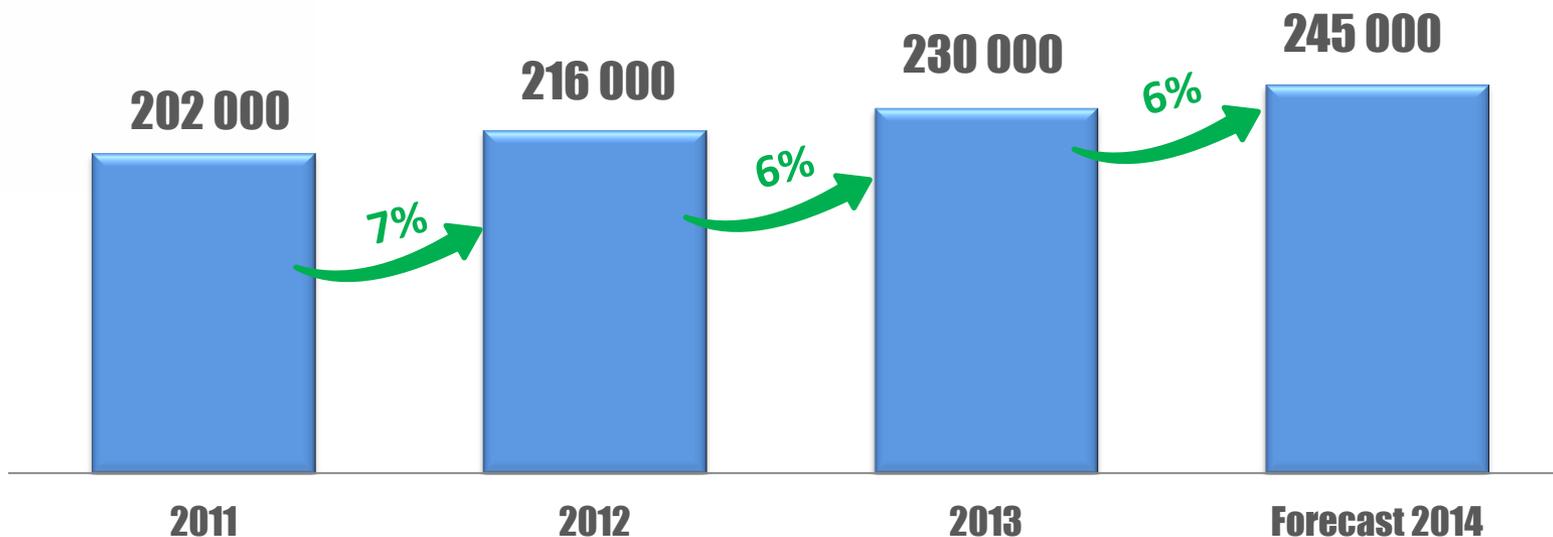
Number of air corridors – 70

Number of the automatic regional centers – 4

Number of secondary radars - 37,

including function ADS-B - 9

Number of serviced flights





Modernization of the AIRPORT



Reconstruction of airport runways

The current situation:

In the 13 airports reconstructed runway:

(Almaty, Astana, Aktope, Shymkent, Aktau, Atyrau, Kyzylorda, Pavlodar, Zheskazgan, Kokshetau, Karaganda, Taraz, Shymkent)

2014 - 2015

• **Uralsk**

2015 - 2016

• **Petropavlovsk**
• **Kostanay**

2016 – 2017

• **Semey**
• **Oskemen**

Reconstruction of the terminal

The current situation:

At 9 airports reconstructed terminals:

(Almaty, Astana, Aktau, Aktope, Pavlodar, Karaganda, Zhezkazgan, Kokshetau, Shymkent)

2014 - 2015

• **Taraz**
• **Uralsk**

2015 - 2016

• **Astana**
• **Atyrau**
• **Shymkent**
• **Oskemen**
• **Kyzylorda**
• **Kostanay**

2016 – 2020

• **Petropavlovsk**
• **Semey**



Flight safety

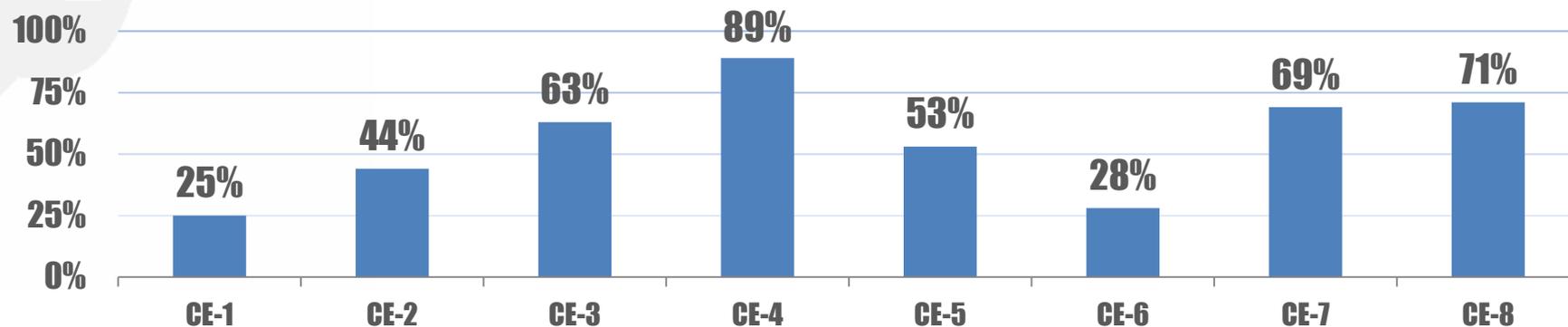


Audit 2009	The total number of findings	SSC*
	82	2

* The certification process for the issuance:

- Operator certificate
- Certificate of Airworthiness of aircraft

The results of the audit by ICAO in 2009



The corrective action plan

- The Law "On the use of airspace and of aviation operations" from 2010
- RSE "Flight safety assessment Centre" 2011



Order of the Prime Minister approved an action plan to address the comments audit by ICAO and the lifting of restrictions on flights in the European Union countries

Concluded an agreement with the TCB ICAO to provide technical and consulting assistance.

The main objectives of the TCB ICAO:

Gap analyze current rules and regulations for compliance with the ICAO requirements

Compliance of the organizational structure, Staff and procedures of the Committee with ICAO requirements

Conduct training, OJT

Participate in recertification of aircraft and all commercial operators

Training of inspectors CAC for SAFA and SANA

Since the beginning of 2013 started to work 8 TCB ICAO experts

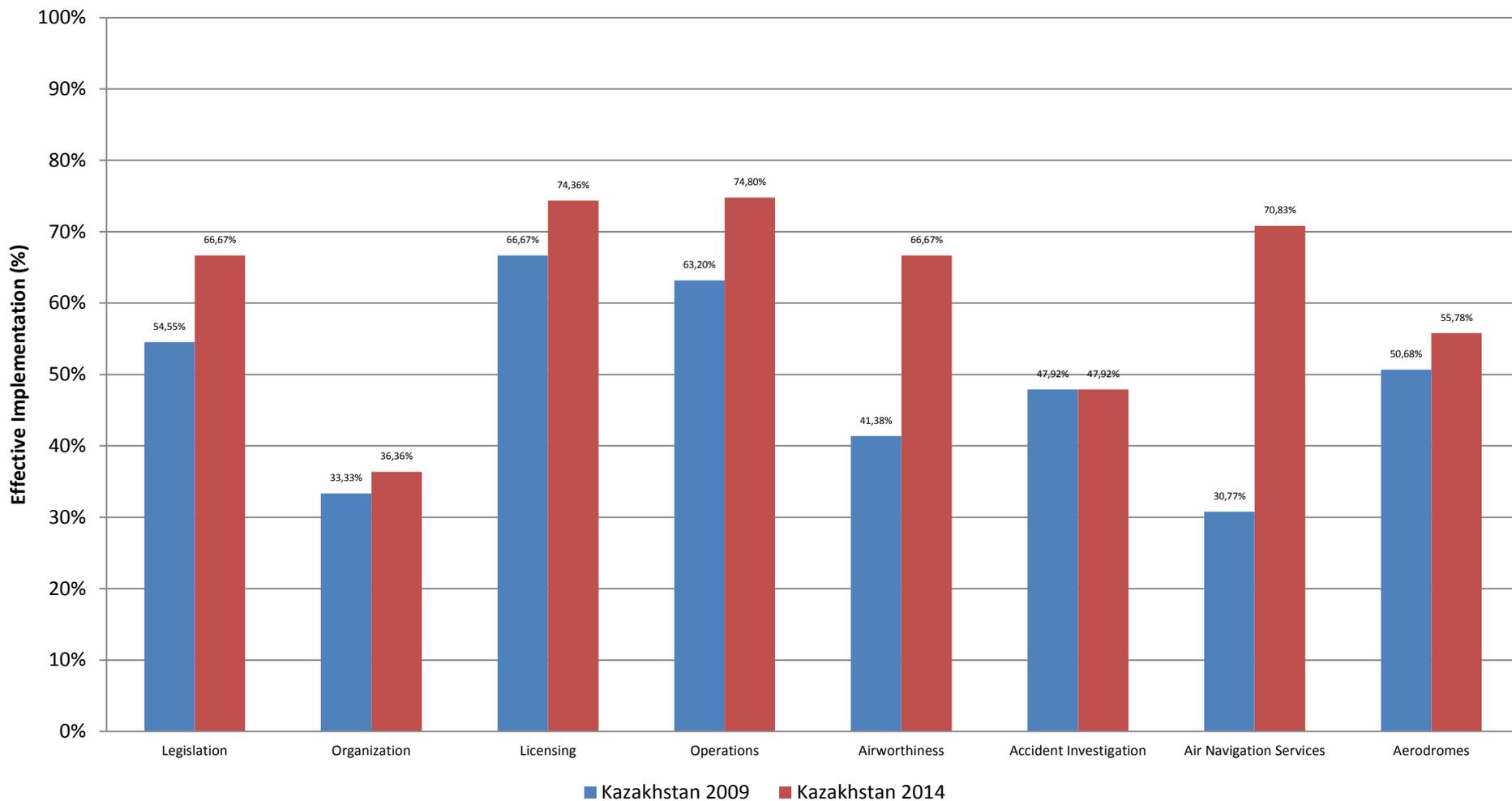


Safety of the Republic of Kazakhstan is based on the 8 critical elements (CE) of a control system for safety oversight:

Elements	Events
CE 1	Analysis of aviation legislation of Kazakhstan. 80 amendments to the primary aviation legislation
CE 2	Amended more than 30 regulations.
CE 3	CAC restructured and the total number of personnel increased up to 65 of them 40 state inspectors.
CE 4	Changed the qualifications and training of inspectors
CE 5	27 developed procedures approved checklists, Prepared reports on the audited organizations.
CE 6	Recertification of 60 airlines
CE 7	Checked 228 aircraft
CE 8	The mechanism and procedures for responding



Comparative analysis of the application of ICAO standards





2014 - 2015

- **Implementation of the corrective action plan to address the comments ICAO audit.**
- **Conducted in the 1st half of 2014 validation mission of ICAO;**
- **Participation in the meeting of the European Commission on the safety.**
- **Implementation of compulsory turning point IOSA audit for all commercial operators.**

2016 - 2017

- **The Building a system of continuous the safety oversight**
- **Amendments to the legislation in the field of civil aviation and the integration of the European Code in the Republic of Kazakhstan;**

2017 - 2018

- **Creating a system of control and supervision of safety oversight through the development and implementation based on the international experience of the national safety program.**
- **Planned to ensure effective implementation and enforcement of European standards in the field of civil aviation.**



THANK YOU FOR YOUR ATTENTION !