



Safety Oversight System in Civil Aviation Organization of I.R. IRAN

Cairo, Egypt, 6 – 8 February 2018

RESISTIVE ECONOMY, Move & Action





Civil Aviation Organization of Islamic Republic of IRAN	
Abbreviation	CAO.IRI
Formation	1946
Legal status	Governmental Organization
Purpose	Aviation Regulator
Location	Mehrabad Airport, Tehran, IRAN "Main Building"
Service Region	IRAN
Chief Executive	MR. Ali Abedzadeh
Parent organization	Ministry of Roads & Urban Development
Website	www.cao.ir





OUTLINE

- Duties & Responsibilities
- Safety Oversight System
- Status in ICAO USOAP
- actions taken





Duties & Responsibilities

- Policy making and planning in Civil Aviation
- Issuing the required regulations and procedures for Safety & security in compliance with ICAO standards (SARPs)
- Formulating regulations and procedures for controlling state space
- Policy-making and planning in training of specialized personnel
- Issuing certificates, licences, approvals, authorizations,...for aviation personnel, product & organization.
- Performing surveillance obligations
- applying required legal penalties according to relevant regulations.
- Accidents and incidents investigation,



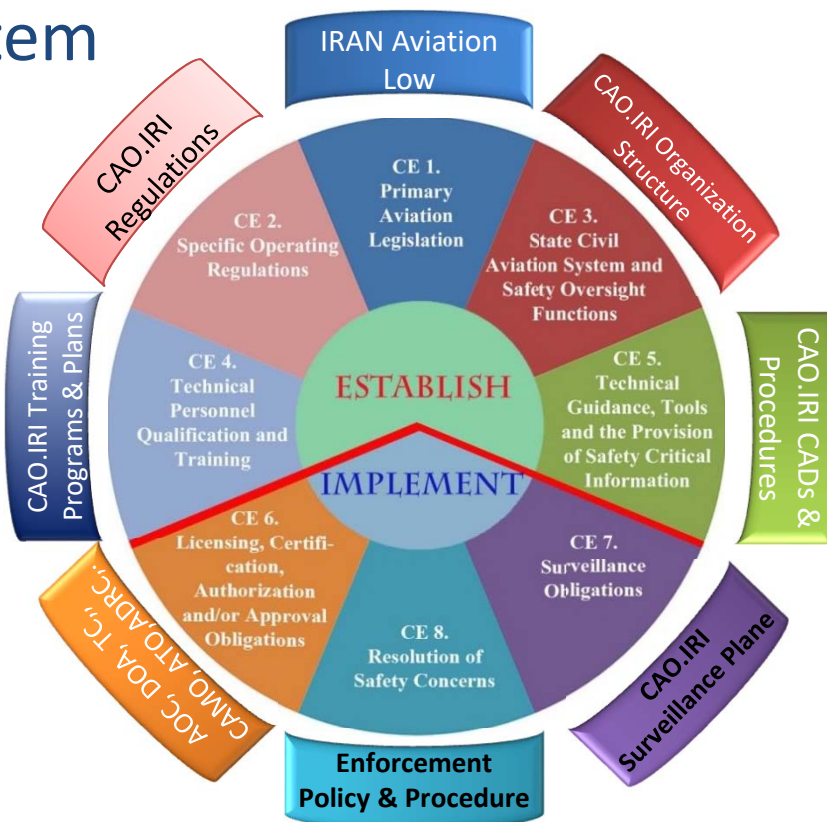


Maine Service Providers





Safety Oversight System





CE 1 & 2- Aviation Regulatory Framework





- Primary Iranian Civil Aviation Act - July 22, 1949
 - Last amended by Law 136/2010
 - Set of Ministerial by law
 - Personnel licencing
 - Aircraft Registration
 - Aeronautical Telecommunications
 - Search & Rescue
 - Civil Aviation Accident and Incident Investigation &
 - Construction, development, operation and management of civilian airports



CE 2-Specific Operating Regulations

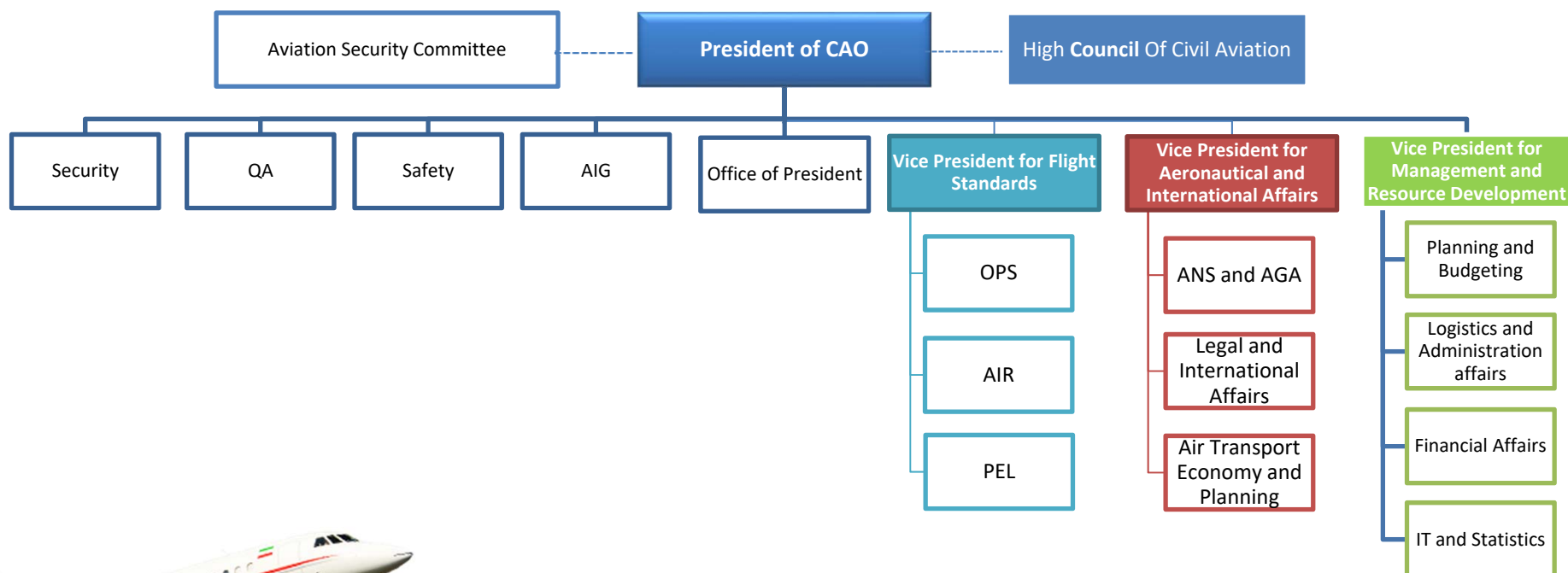
- Airworthiness Reg.
 - CAO.IRI Part 21, 66, 145, 147, M and asset of Certification Specifications(CS)
- Aircrew Reg.
- Air OPS Reg.
- Aerodrome Reg.
- Air Navigation Service Reg.



All CAO.IRI. Regulations are Available in Web www.cao.ir/rules



CE 3- CAO.IRI Structure





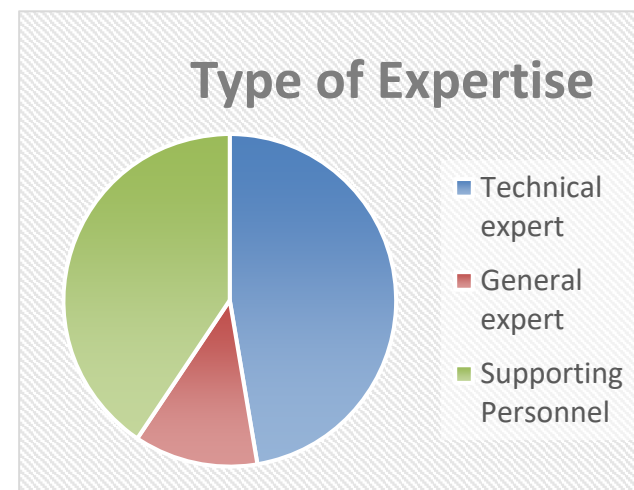
CE-4 Technical Staff and Training

- ~350 Employees
- Number of staff required for each department is calculated by a simple criteria according to:
 - Activities/tasks for each department
 - Average yearly rate of these activities/tasks
 - Average man hour for these activities
 - Specialization required
 - Required time to train new hired employee to be a qualified inspector
 - Coming retirement



CE-4 Status of Technical Staff

General expert	Technical expert	Supporting Personnel	Total personnel
43	169	145	357





CE - 5 Guidance Materials and tools

- Each inspector has the required tools to carry out his job
- Each inspector provided with a credential to facilitate his access to service providers/operators facilities & documents
 - Guidance Materials include(CADs, Procedures, Circulars,...)
 - Information Bulletin /Instructions
 - Policy and Procedure Manual to guide inspectors to perform there assigned duties



CE-6 CAO.IRI Aviation Activities

- The CAO.IRI provides Licensing, Certification, Approvals and authorizations according to law, regulations and standard procedures
- The main activities cover:
 - Aviation Personnel
 - Air Operators
 - Aircraft Design, Production & Maintenance Organizations
 - Training Organizations
 - Aerodromes
 - ANS Service providers
- The following slides will provide an overview of the size and scope of our aviation system.



CE-6 Licencing, Cert., Approval & Authorisation

- 25 AOC Holders
 - 17 International flights
 - 1 Domestic flights only
 - 7 (Helicopter)
- 20 ATOs (Flight Training Org.)
- 1 ATO (for Air Traffic Control)
- 32 MTOAc(Maintenance Training Org.)





CE-6 Licencing, Cert., Approval & Authorisation

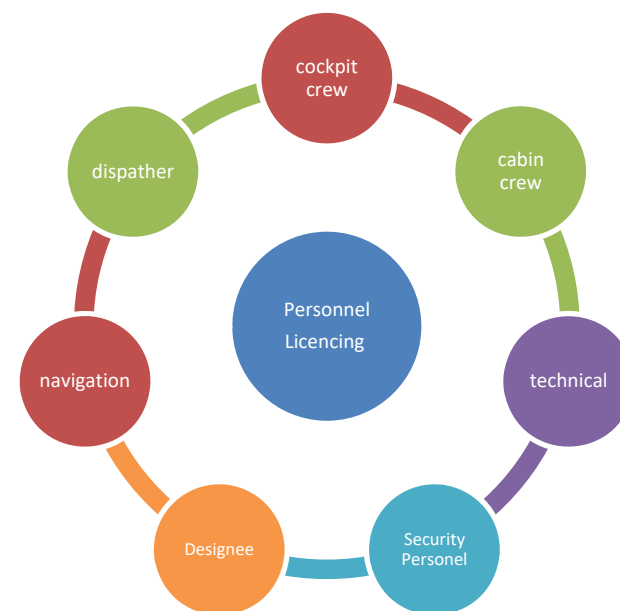
- 10 Active DOA holders
- 10 Active POA Holders
- 43 AMOs & 6 amo(s)
- 41 CAMOs
- 279 Active Aircraft
 - 165 Large Active aeroplanes
 - 73 Light Active aeroplanes
 - 41 Helicopters





CE-6 Licencing, Cert., Approval & Authorisation

Type of Personnel License	Number
PPL	2256
CPL	4666
IR	3000
ATPL	2230
DISP	1025
B1	3560
B2	1670
ATC	1975
AFTN	250
Total:	20382





CE-6 Licencing, Cert., Approval & Authorisation

- 81 Airports
 - 9 International Airports
 - 72 Other aerodromes open to public use
 - 114 Heliports used for civil operation
 - 3 Hospital Heliport
- +1200 daily over flights
- +33 million passengers per year





CE7-Oversight Policy

- Annual Oversight Plans

Organisational certificates(Approvals) issued annually and safety oversight surveillances carried out through inspections/audits and renewal of certificates.





CE-8 Resolution of Safety Concerns and Enforcement

- In case any deficiencies detected by CAO.IRI during surveillance, CAO.IRI provides dead line for corrective action, initiate appropriate follow up to determine effectiveness of the corrective action.
- If required, enforcement action can be applied according to Civil Aviation Law, CAO.IRI Regulation and procedure(CAD 4700)

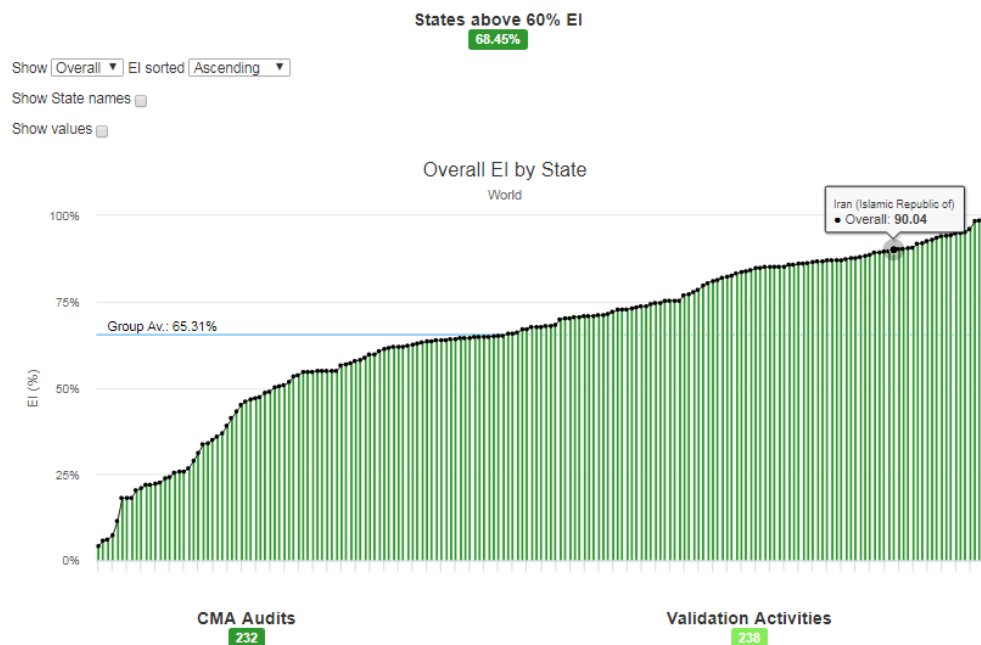




Status in ICAO USOAP

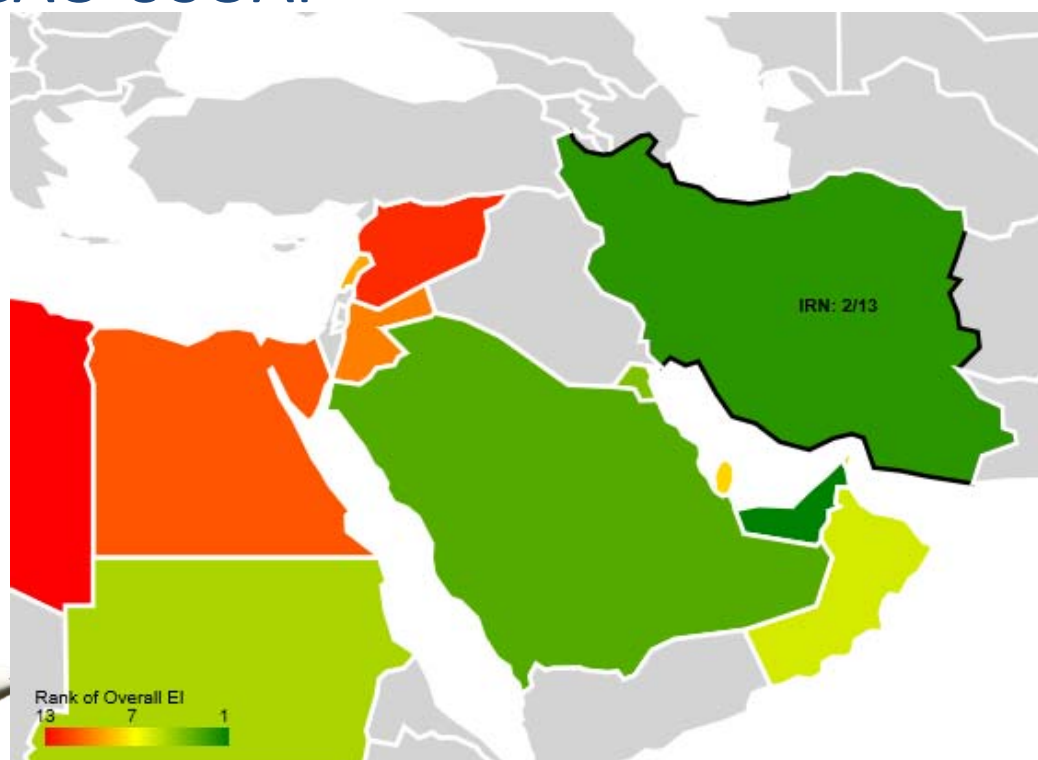
- +90% compliance with ICAO Safety Oversight SARPs in 2010
 - No. 20th in the World

Group Results





IRAN Status in ICAO USOAP





Report on actions taken

- **SAAQ:** The process of updating the State Aviation Activity Questionnaire (SAAQ), is completed. (100%)
- **EFOD:** Regarding the change in the organization's regulatory model and due to the adaptation with the regulatory structure of the European Aviation Safety Agency, all relevant regulations were also reviewed and revised.

Therefore, in the process of updating the compliance checklists (CCs) through the Electronic Filling of Differences (EFOD) system, only annexes no: 1, 6 and 8 have been reviewed and corrected up to now, and revision of other annexes are on the way.



Report on actions taken

❖ **Self Assessment:** Areas PEL, AIR, AIG, LEG, ORG and OPS were assessed in the form of USOAP CMA checklists and the assessments of areas AGA and ANS are on the way.

The process of updating the USOAP CMA self-assessment, is on the way (about 70%).

❖ **CAPs:** The process of updating the state corrective action plans (CAPs) from self Assessment, is on the way (about 50%).



Improvements in Recent Years

- Strategic and Integrated management
- RCA and CAP development committee
- Internal audit
- Harmonized and integrated rulemaking and document management process
- Qualification improvement with training
- Familiarization with other CAAs
- Revising the aviation regulation approach
- Safety Culture and Communications





Conclusion

- CAO.IRI establish, effectively implement and continue to improve safety oversight system based on ICAO standard & recommended practices, as a tool to reach our main targets

Safety

**Economic
Development of
Air Transport**

**Customer
Satisfaction**





In CAO.IRI

- We Know:
 - Where we are!
 - Where we should go!
 - Main barriers!
 - Status of Aviation Industry.
- Our Commitment:
 - Moving forward together with our stake holders.
 - Continues Improvement.
 - Internal and External Transparency in Safety.
 - Aviation Improvement



Closing Statement

- The CAO.IRI appreciates the opportunity to show the ICAO MID states the results of our work that has been done to improve our organization.
- We are proud of the work we have done and continue to strive to be even in a better position. We would appreciate any recommendations on improvements we can make.





Thank You!

