



Topic 1

# ICAO AVIATION SAFETY

# International Civil Aviation Organization (ICAO)

*Development of aviation was impossible without international agreement. In order to achieve flight safety the whole world should operate together. That is why the International Civil Aviation Organization was created.*

Was created in **1944** at a conference of **52** nations held in **Chicago**.

There are **191** contracting states in ICAO.

Its Headquarters is in **Canada, Montreal**.

Working languages are English, French, Spanish, Russian, Chinese, Arabic.

The main task is:

- **Flight safety**. ICAO takes all the necessary measures to provide aviation safety.
- ICAO provides safe and ordered development of international civil aviation throughout the world.

# Mission of ICAO

*The main mission of ICAO includes:*

- strengthening of safety and security,*
- increasing of efficiency of international civil aviation,*
- promotion of principles fixed in the Chicago Convention.*

# Strategic objectives of ICAO

*The mission is further elaborated through eight strategic objectives:*

- Foster the implementation of ICAO Standards and Recommended Practices (SARPs) to the greatest extent possible worldwide.*
- Develop and adopt new or amended SARPS and associated documents in a timely manner to meet changing needs.*
- Strengthen the legal framework governing international civil aviation.*
- Ensure the currency, coordination and implementation of regional air navigation plans and provide the framework for the efficient implementation of new air navigation systems and services.*
- Respond on a timely basis to major challenges to the safe, secure and efficient development and operation of civil aviation.*
- Ensure that guidance and information on the economic regulation of international air transport is current and effective.*
- Assist in the mobilization of human, technical and financial resources for civil aviation facilities and services.*
- Ensure the greatest possible efficiency and effectiveness in the operations of the Organization, inter alia to meet the above objectives.*

# **Military aviation and civil aviation**

**Military aviation and civil aviation are different from each other in their nature and functions. However, both operate in the same air traffic management, environment and, therefore, use common airspace which needs to be strictly managed for safety and efficiency.**

**All pilots and air traffic controllers must achieve ICAO 'Level 4' in English in order to keep their license and therefore their jobs. It affects all general, military and civil pilots (including helicopter pilots) who fly on international flights as well as all air traffic controllers who deal with international flights.**

**Poor language can lead to misunderstanding between pilots and Air Traffic Controllers and therefore can lead to flight accident.**

**So, it is necessary to improve language skills in order to **IMPROVE SAFETY – to REDUCE THE NUMBER OF ACCIDENTS, TO SAVE PEOPLE'S LIVES.****

# Some of essential documents of ICAO

- *Doc 7300 Convention on International Civil Aviation*
- *Doc 4444 Procedures for Air navigation Services. Air Traffic Management*
- *Doc 9432 Manual of Radiotelephony*
- *Doc 9835 Manual on the Implementation of ICAO Language Proficiency Requirements*
- *Convention on International Civil Aviation. List of Annexes 1-19.*

# List of Annexes

Annex 1 Personnel Licensing

Annex 2 Rules of the Air

Annex 3 Meteorological Service for International Air Navigation

Annex 4 Aeronautical Charts

Annex 5 Units of Measurement to be Used in Air and Ground Operations

Annex 6 Operation of Aircraft

Annex 7 Aircraft Nationality and Registration Marks

Annex 8 Airworthiness of Aircraft

Annex 9 Facilitation

Annex 10 Aeronautical Telecommunications

Annex 11 Air Traffic Services

Annex 12 Search and Rescue

Annex 13 Aircraft Accident and Incident Investigation

Annex 14 Aerodromes

Annex 15 Aeronautical Information Services

Annex 16 Environmental Protection

Annex 17 Security: Safeguarding International Civil Aviation Against Acts of Unlawful Interference

Annex 18 The Safe Transport of Dangerous Goods by Air

Annex 19 Safety Management

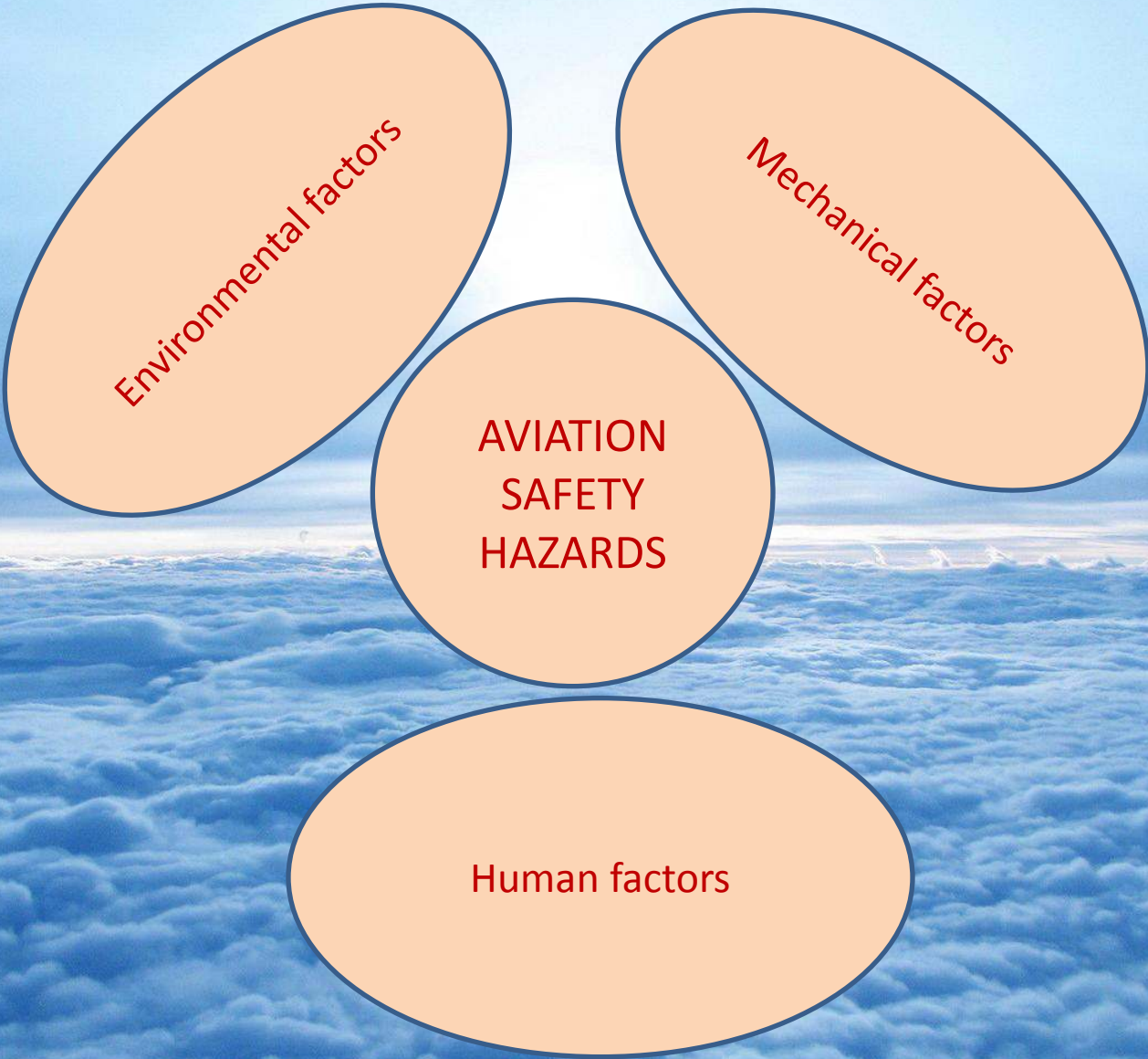
# AVIATION SAFETY

-is a state of the system in which the risk of harm to persons or property damage is reduced to an acceptable level through a continuing process of threat identification and risk management.

**Threat** – condition, object or activity that can cause injuries to personnel, damage to equipment or structures, loss of material or reduction of ability to perform functions.

**Risk** – the chance of loss or injury, measured in terms of severity and probability. The chance that something is going to happen, and the consequences if it does.





The diagram features a central orange circle containing the text "AVIATION SAFETY HAZARDS". Three other orange ovals are arranged around it: one to the top-left labeled "Environmental factors", one to the top-right labeled "Mechanical factors", and one at the bottom labeled "Human factors". The background is a photograph of a sky with a layer of white clouds below a clear blue sky.

Environmental factors

Mechanical factors

AVIATION  
SAFETY  
HAZARDS

Human factors