

Summer Program

Aviation Safety – Civil Aviation Organization

General Objective

After completing this module, the student will be able to present the aircraft safety oversight system through the applicable regulation and associated procedures.

Detailed Objectives

After completing this module, the student will be able to:

- Present the main international bodies (ICAO, EASA)
- Define the safety objectives for the civil aviation, and describe the regulatory means to reach to, and maintain that minimum level of safety
- Quote the applicable international (ICAO standards) and the European texts (airworthiness and associated domains)
- For each one of these domains, quote the main applicable certificates / approvals

- Remind the ICAO principles and the EASA Part 21 principles for airworthiness
- Describe the type certification /validation process (up to the issuance of the certificate of airworthiness)
- Describe the approval process applicable to changes to the type certificate
- Describe the in service experience feedback process

Contents

	Description	(Lectures, tutorials, project, case study, personal work, exam etc.)	Duration (estimate)	Lecturer (University, Enterprise etc)
1	Introduction – safety objectives International safety programs	Lecture	2h	ENAC
2	International bodies			
2.1	ICAO and the Chicago Convention Annexes to the Chicago Convention - SARPs	Lecture	2h	ENAC
2.2	EASA: - Scope of competences - Regulatory structure - NPA process	Lecture	2h	ENAC
3	Type certification / validation Statements of conformity (production) Issuance of a certificate of airworthiness	Lecture (including exercises)	3h	ENAC
4	Post TC activities: - Approvals of changes to TC – STC - In service experience feedback – AD	Lecture	3h	ENAC
Total		Lectures	12h	

Air Transport Economics

Objectives

After following the course, students should be able to:

- Describe the different actors in the air transport sector and explain their roles and the main interactions between them
- Describe the different types of airlines, and explain their principal strategies
- Explain the regulatory constraints and analyze their impact on the markets
- Explain the current challenges in air transport

Course description

The course describes the workings of air transport markets:

- Facts and figures
- Actors in the air transport industry and their interactions: passengers, manufacturers, airports, leasing companies, air navigation service providers
- Regulations of the air transport market
- Focus on airlines: figures, the various types of airline, cost breakdown, fares (principles and strategies), alliances, airline networks
- Competition on the market

This course is organized by faculty from the French Civil Aviation University (Ecole Nationale de l'Aviation Civile).