

## MODULE 10. AVIATION LEGISLATION

### **10.1 Regulatory Framework**

Role of International Civil Aviation Organisation;  
The Aircraft Act and Rules made there under  
Role of the DGCA;  
Relationship between CAR-21, CAR-M, CAR-145, CAR-66, CAR 147  
The Aircraft Rules ( Applicable to Aircraft Maintenance and Release)  
Aeronautical Information Circulars ( Applicable to Aircraft  
Maintenance and Release)  
CAR Sections 1 and 2

### **10.2 CAR-66 Certifying Staff - Maintenance**

Detailed understanding of CAR-66.

### **10.3 CAR-145 — Approved Maintenance Organizations**

Detailed understanding of CAR-145 and CAR M Subpart F

### **10.4 Aircraft Operations**

Commercial Air Transport/Commercial Operations  
Air Operators Certificates;  
Operators Responsibilities, in particular regarding continuing  
airworthiness  
and maintenance;  
Documents to be carried on board;  
Aircraft Placarding (Markings);

### **10.5 Aircraft Certification**

(a) General  
Certification rules: such as FAA & EACS 23/25/27/29;  
Type Certification; Supplemental Type Certification;  
CAR-21 Design/Production Organisation Approvals.  
Aircraft Modifications and repairs approval and certification  
Permit to fly requirements  
(b) Documents  
Certificate of Airworthiness;  
Certificate of Registration;  
Noise Certificate;  
Weight Schedule;  
Radio Station Licence and Approval.

### **10.6 CAR-M**

Detail understanding of CAR M provisions related to Continuing  
Airworthiness  
Detailed understanding of CAR-M.

### **10.7 Applicable National and International Requirements**

(a)

Maintenance Programme, Maintenance checks and inspections;  
Master Minimum Equipment Lists, Minimum Equipment List, Dispatch Deviation Lists;  
Airworthiness Directives;  
Service Bulletins, manufacturers service information;  
Modifications and repairs;  
Maintenance documentation: maintenance manuals, structural repair manual, illustrated parts catalogue, etc.;

(b)

Continuing airworthiness;  
Test flights;  
ETOPS /EDTO , maintenance and dispatch requirements;  
RVSM, maintenance and dispatch requirements  
RNP, MNPS Operations  
All Weather Operations,  
Category 2/3 operations and minimum equipment requirements.

### **10.8 Safety Management System**

State Safety Programme  
Basic Safety Concepts  
Hazards & Safety Risks  
SMS Operation  
SMS Safety performance  
Safety Assurance

### **10.9 Fuel Tank Safety**

Special Federal Aviation Regulations (SFARs) from 14 CFR  
SFAR 88 of the FAA  
and of JAA TGL 47  
Concept of CDCCL,  
Airworthiness Limitations Items (ALI)