



COMPUTER TRAINING SYSTEMS



IS-BAO
TRAINING

IS-BAO SUBJECTS SYLLABUS

Each customer's General Subjects training program consists of selections from the list below. It is tailored to each IS-BAO training program consists of customer-selected subjects from the list below. Each course is a comprehensive learning program covering the listed topics in each area with individual course examinations drawn from all assigned material testing student retention. Subjects include a mixture of interactive tutorials and text-based lessons, culminating in a final exam. Each course also includes administrator access to online record keeping in order to track and monitor individual progress. All subjects are designed to assist in meeting the training requirements of IS-BAO certification.

NOTE - Also available in RW package

14 CFR PART 1-97 AND 49 CFR PART 830 - FW

Lessons

- 14 CFR Part 91, Subpart A
- 14 CFR Part 91, Subpart F
- 14 CFR Part 91, Subpart G
- 14 CFR Part 91, Subparts C, D, and E
- 14 CFR Part 91.103-153, Subpart B
- 14 CFR Part 91.155-187, Subpart B
- 14 CFR Parts 1, 39, 43, and 47
- 14 CFR Parts 61 and 67
- 14 CFR Parts 95 and 97
- 49 CFR Part 830

AERONAUTICAL INFORMATION MANUAL - FW

Lessons

- Chapter 1.1-1.1.10 - Navigational Aids
- Chapter 1.1.11-1.2.3 - Navigational Aids
- Chapter 2 - Aeronautical Lighting and Airport Visual Aids
- Chapter 3 - Airspace
- Chapter 4.1 - Services Available to Pilots
- Chapter 4.2 - Radio Communications
- Chapter 4.3 - Airport Operations
- Chapter 4.4 - Clearances
- Chapter 5.1-5.2 - Preflight and Departure
- Chapter 5.3 - En Route
- Chapter 5.4-5.6 - Approach
- Chapter 6 - Emergency Procedures
- Chapter 7.1-7.2 - Weather and Altimeter Settings
- Chapter 7.3-7.6 - Turbulence and Flight Hazards
- Chapter 8 - Medical Facts for Pilots

ADS-B OVERVIEW

Tutorial - ADS-B

- Overview and System Description
- ADS-B Operations
- ADS-B Procedures
- ADS-B In Services
- ADS-B In-Trail Procedures
- CAVS
- Human Factors in ADS-B

Lessons

- Overview and System Description
- ADS-B Operations
- ADS-B Procedures
- ADS-B In Services
- ADS-B In-Trail Procedures
- CAVS Using ADS-B IN

CFIT AVOIDANCE (FW)

Tutorial - CFIT Avoidance (FW)

- Introduction
- Outside Factors
- Combating CFIT

Lessons

- CFIT 1
- CFIT 2
- Approach and Landing Accident Reduction (ALAR)

CLASSES OF FIRE

Tutorial - Classes of Fire

- General Description
- Anatomy of a Fire
- Classes of Fire
- Types of Fire Extinguishers
- Using a Fire Extinguisher
- Lavatory Fires
- Basic Procedures for All Fires
- Toxic Fumes
- Current Safety Standards

Tutorial - Lithium Battery Fires

- Lithium Battery Fires

Lessons

- Classes of Fire-1
- Classes of Fire-2
- Lithium Battery Fires

CORPORATE AVIATION SECURITY

Tutorial - Corporate Aviation Security

- Overview and Responsibilities
- Assessing Threats
- Prevention Measures
- Threat Response

Lessons

- Corporate Security

CRM-ADM - FIXED WING

Tutorial - CRM - FW

- Crew Resource Management
- Authority of the PIC
- CRM Skills
- Communication Processes
- Building and Maintaining a Flight Team
- Workload and Time Management
- Situational Awareness
- Fatigue: Effects and Reduction Strategies
- Stress: Effects and Reduction Strategies

Tutorial - ADM - FW

- What is ADM?
- Risk Management
- Operational Pitfalls
- Applying ADM

Tutorial - Case Study

- Case Study

Lessons

- Authority of the Pilot-in-Command
- Communication
- Team Building
- Workload and Time Management
- Situational Awareness
- Fatigue - Effects and Reduction
- Stress - Effects and Reduction
- Aeronautical Decision Making
- Risks and Operational Pitfalls

**HAZMAT - WILL CARRY OR
WILL NOT CARRY**

Tutorial - Label Identification

Introduction
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Miscellaneous Labels, Placards, and Markings

Tutorial - Security Awareness

Introduction and Regulatory Requirements
Recognizing Security Threats
Responding to Security Threats

Lessons

General Philosophy
Limitations
List of Hazardous Materials
Recognition of Undeclared Hazardous Materials
Storage and Loading Procedures
Pilot's Notification
Provisions for Passengers and Crew
Emergency Procedures
Labeling and Marking
Security Awareness

LOWER THAN STANDARD TAKEOFF MINIMUMS

Lessons

Regulations
RVR Requirements
Use of Charts
Runways and Taxiways
HUD Takeoff Guidance

PHYSIOLOGY AND FIRST AID (FW)

Lessons

Decompression Sickness
CPR
AED
First Aid - Bleeding, Wounds, and Burns
First Aid - Poison, Bites, and Stings
First Aid - Serious Illnesses and Injuries
Hyperventilation
Hypoxia
Spatial Disorientation
Trapped Gases

REDUCED VERTICAL SEPARATION MINIMUM (RVSM)

Tutorial - RVSM

RVSM and Requirements
RVSM Procedures
Turbulence, MWA, Communications, and
Contingency Actions
The Effect of RVSM on TCAS

Tutorial - Oceanic Contingency

Procedures and SLOP

Oceanic Contingency Procedures and SLOP

Lessons

Reduced Vertical Separation Minimum
(RVSM)

WINTER OPERATIONS (FW)

Tutorial - Winter Operations

Background and Regulations
In-flight Icing Conditions
Ground Icing Conditions and Deicing Procedures
Fluid Types and Holdover Tables
Application Guidelines
Runway Contamination
Cold Temperature Restricted Airports

Lessons

Regulations and Definitions
Procedures and Holdover Tables
Effects of Icing on Flight
Contaminated Runways
Cold Temperature Restricted Airports

An **Operations Manual Training Program** can be developed for your specific operations manual and specifications.