

HUMAN FACTORS IN AVIATION

MODULE 1 HUMAN FACTORS

- Human Factors In The Aviation
- Human Factors In The Environment

MODULE 2 CULTURE OF SECURITY

- Meaning of Security Culture
- The Dirty Dozen
- Lack of Communication
- Complacency
- Lack of Knowledge
- Distraction
- Lack of Teamwork
- Fatigue
- Lack of Knowledge
- Pressure
- Lack of Assertiveness
- Stress
- Lack of Awareness
- Standards, prejudices or bad habits

MODULE 3 MODELS ON HUMAN FACTORS.

HUMAN ERROR

- PEAR Model
- SHELL Model
- Human Error

MODULE 4 PERFORMANCE AND HUMAN

LIMITATIONS

- Introduction
- Vision
- Hearing
- Information processing
- Attention and perception
- Situational awareness
- Memory
- Claustrophobia and physical access
- Motivation
- Sport and health
- Stress
- Management of the workload

- Fatigue
- Alcohol, medications and drugs
- Repetitive tasks and complacency

MODULE 5 INFLUENCE OF THE WORKING ENVIRONMENT

- Social pressure
- Stress factors, stressors
- Work under pressure and deadlines
- Workload, overload or deficit
- Shift work
- Noise
- Smoke
- Lighting
- Climate and temperature
- Movement and vibration
- Complex systems
- Dangers in the workplace
- Lack of labour
- Distractions and interruptions

MODULE 6 PROCEDURES, INFORMATION, TOOLS AND PRACTICES

- Visual inspection
- Registration and recording of data
- Technical documentation. Access and quality

MODULE 7 COMMUNICATION

- Dissemination of information
- Cultural aspects

MODULE 8 TEAM WORK

- Responsibility
- Management, supervision and leadership
- Decision-making

MODULE 9 PROFESSIONALISM

- Update of knowledge

MODULE 10 POLICIES OF THE ORGANIZATION

- Avoid mistakes