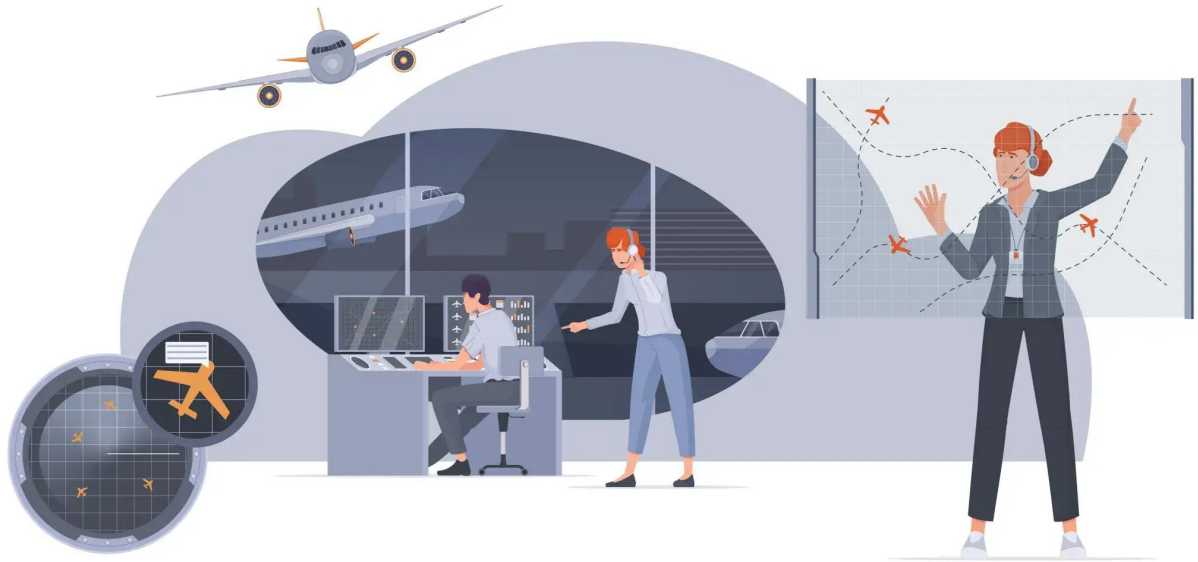


Human Risk Elements in Aviation

Duration: 5 Days

Language: en

Course Code: IND18-106

Objective

Upon completion of this course, participants will be able to:

- Understand the vitality of recognising human risk elements in aviation organisations.
- Explore the potential for human error in aviation and the detrimental effects on employees and the public.
- Assess the basics of human psychology and what may drive an individual to follow through with particular actions.
- Influence people’s internal drive to succeed to improve organisational productivity.
- Explore methods and techniques to encourage employees to develop and increase productivity.
- Comprehend the human flaws behind equipment design and tasks, training, and selection.

Audience

This course is designed for anyone within an aviation organisation responsible for maintaining health and safety. It would be most beneficial for:

- Operations Managers
- HSE Officers
- HR Personnel
- Performance Managers
- Risk Managers
- Risk Analysts
- Aviation Safety Managers

Training Methodology

This course uses a variety of adult learning styles to aid full understanding and comprehension. Participants will review real-world examples of human factor incidents to highlight what human factors lead to the situation and suggest how to avoid them in the future.
Participants will participate in a variety of learning methods and exercises, including seminars, group discussions, video demonstrations, and group activities. Combining these methods will ensure they develop a full and comprehensive understanding of the taught content and related skills.

Summary

The aviation industry is risky due to the nature of the service provided. Risks and hazards can occur for a number of different reasons, but a primary reason is human error. Human influence in any situation leaves a small possibility of error, which can often be tied down to an individual’s particular skills, capabilities, and limitations.
Human factors is a science that explores how the human mind works regarding employment. Each individual will have skills, abilities, and limitations that have developed throughout life due to positive and negative influences. Human factors attempt to comprehend how these apply within the workplace and how certain traits will influence how an individual responds to a task or adapts to situations of struggle.
The aviation environment is constantly changing, which requires individuals capable of adapting rapidly and responding efficiently in times of stress. It is crucial to acknowledge each individual’s capacity to change and evaluate a variety of methods that can aid in developing skills to make people more suitable for the working environment. This process should be conducted to preserve and improve overall health and safety within the

organisation.

Course Content & Outline

Section 1: Introduction to Human Factor

- Describe what human factors are and how this applies to the aviation industry.
- Reviewing and categorising behaviours based on the individual or humans as a whole.
- What characteristics and skills are considered human factors?
- Understanding how human factors can positively and negatively impact an organisation.

Section 2: Understanding Human Behaviour

- Exploring the basics of human psychology – what motivates us?
- Assessing how skills and traits are developed throughout life – nurture versus nature.
- How different personality types interact within the workplace and the influence this has on organisational productivity.
- Navigating difficulties and encouraging others to persevere in times of hardship.
- Offering incentives based upon individual motivations to improve productivity.

Section 3: ICAO Human Performance Principles

- Identifying the five human performance principles and how they operate synergistically.
- Capabilities and limitations:
    - Recognising physical and psychological capabilities and limitations – strength, flexibility, memory, and attention.
    - Navigating cognitive resources and adapting to a routine, environment, or task change.
- Interpretation and sense-making:
    - The constant search for patterns and predictability.
    - Unexplained reactions in the face of uncertainty.
- Adaption and changing demands:
    - The desire to follow a standard within an ever-changing environment.
    - Adapting to satisfy a variety of needs.
- Risk assessments and trade-offs:
    - How people react in fear or stress – flight, fight, or freeze.
    - Comprehending self-preservation, consequences and impact on others when assessing
- Interaction with others:
    - Different personality types merge within the work environment.

- Developing friendships, experiencing tension, and actively engaging in conflict.

Section 4: Investigating Human Factor Incidents

- Analysing how human factors can lead to incidents within all areas of the aviation industry.
- Evaluating specific incidents and understanding how specific human factors led to the situation and aftermath.
- Navigating disruptive human factors to find a reasonable method for improving productivity without sacrificing health and safety.
- Deciding when a specific human factor becomes too intense for an organisation and ideal ways to proceed.

Section 5: Human Factor Closure Actions

- Providing various training programmes at various intensities to close the gap in human factors.
- Engaging in 1-to-1 sessions with individuals to discuss specific problematic traits.
- Communicating with a workplace to bring awareness to objectives and goals.
- Implementing rewards and incentives to encourage personal growth and development.

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

Categories

Aviation, Human Resources Management (HRM), Health, Safety & Environment HSE

Tags

Aviation, Human Risk

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