HKSEA
Crafting Safety-Critical Industry

Module: Human Factors Analysis and Classification System

Overview

The Human Factors Analysis and Classification System (HFACS) is a comprehensive framework for understanding human error in aviation accidents.

It categorizes errors into levels, from organizational influences down to individual actions, facilitating systemic analysis. By examining the interplay between these levels, investigators can identify root causes of human performance issues. HFACS promotes a deeper understanding of how organizational culture, training, and environmental factors contribute to errors.

This systemic analysis enables organizations to address underlying issues effectively, enhancing safety protocols and reducing the likelihood of future accidents. By integrating HFACS into investigations, aviation professionals can foster a culture of safety and continuous improvement.

The SHEL model illustrates this relationship, emphasizing the interaction between Software (procedures), Hardware (tools), Environment (conditions), and Liveware (people).

Programme Code   M_HFACS

Programme Outline

- General understanding of HFACS

- Systemic analysis

Programme Class   Classroom face-to-face

Contact Hours   4 hours

Certificate   Certificate of Completion