

# Aviation and Maintenance Human Factors (Initial) – 2 Days

## Introduction

People are at the core of our aviation system and the need to remain aware of the potential for human error driven exposure is ever present.

We must strive to ensure we are able to deliver a strong human performance to protect both the person and the system.

Today 80% of Aircraft Accidents and incidents are caused by Human Factor errors. Whether it is pilot error, maintenance error or Air traffic Control or other ground related causal factors, ultimately does not matter human error is human error.

So we know about the importance of Aviation Human Factors Training, but how to make a difference?

There is a deep understanding of the various causes of error after the event, the challenge is to understand before we have an incident or accident the risks and exposures which the organization faces.

We need to effectively manage human factors within the organization, to do so we need to address the risks and exposures, all threats need to be understood and mitigation put into place to address them.

The course is a highly participative and stimulates involvement and provides for powerful HF motivation and awareness. The aim is to give delegates a full introduction to Aircraft Maintenance Human Factors.

The course meets the full intent of EASA 145 requirements (Initial human factors training should cover all the topics of the training syllabus specified in GM 145.A.30 (e))

The training will introduce the delegates to all elements of Aviation Human Factors with the intention of providing a better understanding of the subject and to find workable methods to improve standards and compliance. It's objectives are to recurrent the implications of error, the organisation's safety culture, its procedures and safety policy and methods of communication.

## Who is this course for?

For anyone who wishes to engage with the aviation maintenance system or who has an organisational obligation to ensure completion of Initial Human Factors Training.

The training will also be of benefit for anyone who needs to understand, manage and support the need to fully engage with human interaction within the organisation.

tel + 359 2 821 08 06  
email [office@sassofia.com](mailto:office@sassofia.com)

[www.sassofia.com](http://www.sassofia.com)

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## What is the Benefit of this Training – What will I learn?

- Be able to demonstrate compliance with EASA Part 145 A.30 Human Factor Training Requirements
- Achieve an in depth understanding regarding basic Aviation Human Factors concepts
- Be able to consider Human Factors knowledge and integrate into key areas of aviation maintenance
- Familiarise with key human performance issues relevant to Maintenance Operations
- Be able to apply operational Human Factors knowledge to maintenance error investigations
- Achieve a strong Understanding of Human Factor Principles
- Be able to consider human performance limitations as well as the potential impact on the daily routine

## Why Should I choose SAS for the training?

Sofema Aviation Services is a Regulatory Training and Consulting company with 45 years of commercial aviation experience and 10 years operational experience. Since the start we have provided certificates to approx 25,000 delegates and we have grown for 2 primary reasons!

The first is that we are professional and we listen to our customers.

The second reason is a combination of outstanding course fees, together with a world beating discount program which leaves our competitors way behind – please do not take our word for it, [check it out!](#)

## What Makes SAS Aviation and Maintenance Human Factors (Initial) – 2 Days Different?

Because our courses are written by people who have lived through the regulations. The author of the training material has more than 25 years' experience as an auditor across the entire regulatory spectrum.

At Sofema Aviation Services our focus is on accepting that compliance with Regulations is in fact minimum compliance. Interpreting the regulations in a way which enables the development and optimisation of our business is where we should see opportunity to drive efficiencies and cost saving.

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## Detailed Content / Topics - The following Subjects will be ressed

This course is aimed at:

### Day 1

- Abbreviations
- Introduction
- Contents
- Why Do We Have Human Factors Training ?
- Top 12 Precursors
- Error Models
- Landmark Incidents and Accidents – Human Factor Related
- Statistics
- Safety Culture and Organisation Factors
- Types of Violation
- Types of Errors and Strategies
- Human Performance and Limitations
- Information Processing
- Fatigue Risk Management Systems

### Day 2

- Sleep Fatigue and Shift work
- Stress – Causes and Symptoms
- Physical & Non – Physical Limitations – Motivation and De-motivation
- Procedures Information and Practices
- Sleep Fatigue and Shift work
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- Physical & Non – Physical Limitations – Motivation and De-motivation
- Procedures Information and Practices

## Target groups

- Post-holders, managers, supervisors;
- Certifying staff, technicians, and mechanics;
- Technical support personnel such as, planners, engineers, technical record staff;
- Quality control/assurance staff;
- Specialised services staff;
- Human factors staff/ human factors trainers;
- Store department staff, purchasing department staff;
- Ground equipment operators;
- Contract staff in the above categories.

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## Pre-Requisites?

A background in an aviation environment.

## Learning Objectives

By the end of this course, delegates will be able to explore the implications of error, the organisation's safety culture, its procedures and safety policy and methods of communication. The training will give the delegates a better understanding of the subject and to find workable methods to improve standards and compliance.

## What do People Say about Sofema Aviation Services Training?

"The instructor used the right words to explain the material."  
"The discussions among the group were very beneficial."  
"The instructor showed very resourceful background and experience."  
"All sections of the course were related to my field."  
"Adequate answers were given to specific questions."

## Duration

2 Days - To commence at 09.00 and finish at 17.00, with appropriate refreshment breaks.

To register for this training, please email [office@sassofia.com](mailto:office@sassofia.com) or Call +359 28210806

Sofema Aviation Services offers a flexible approach to developing all in-company training courses which are specific to the client's needs. If you would like additional information concerning how course content may be configured to be more appropriate for your organisation please email [office@sassofia.com](mailto:office@sassofia.com)



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