



Part 66 Module 9 Human Factors Training for Foreign Part 145 Approval Holders and Applicants for Components, Engines and APU Certifying Staff – 3 Days

INTRODUCTION

Course Duration 3 Days – 24 Hours

This training complies with the requirements of EASA User Guide UG.CAO.00126-003

The Course is specifically designed to accommodate the specific needs of the Component Certifying Staff who are required to show compliance with the requirements of EASA Part 66 Basic Licence Module 9.

Note EASA Requirement which will be supported by Sofema Aviation Services by liaison with the relevant Organisational Quality Manager - When selecting a non-EASA Part-147 AMTO to provide the Human Factor training and/or Aviation Legislation, the maintenance organisation quality department shall be in a position to demonstrate as a minimum that:

The course is carried out according to a detailed syllabus including level of training as per EASA Part- 66 Module 9 and/or 10 as applicable (the duration of the course need to be specified to demonstrate the adequacy to cover all subjects);

The Qualification criteria for instructors is defined;

A maximum number of training Hours per day is defined (HF principal to be considered);

A maximum of trainees per group of trainees (28 person).

The course is designed to support a detailed understanding of the human activity and the individuals interface with the workplace. To explore the implications of Human Factor and Organisation Induced Error. To consider the role of process & procedures and to consider safety policy and methods of communication.

Detailed Content / Topics - The following Subjects will be addressed

Day 1

1. General

The need to take human factors into account;
Incidents attributable to human factors/human error;
'Murphy's' law.

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Detailed Content / Topics - The following Subjects will be addressed

Day 1

2. Human Performance and Limitations

Vision;
Hearing;
Information processing;
Attention and perception;
Memory;
Claustrophobia and physical access.

3. Social Psychology

Responsibility: individual and group;
Motivation and demotivation;
Peer pressure;
'Culture' issues;
Team working;
Management, supervision and leadership.

Day 2

4. Factors Affecting Performance

Fitness/health;
Stress: domestic and work related;
Time pressure and deadlines;
Workload: overload and underload;
Sleep and fatigue, shiftwork;
Alcohol, medication, drug abuse.

5. Physical Environment

Noise and fumes;
Illumination;
Climate and temperature;
Motion and vibration;
Working environment.

6. Tasks

Physical work;
Repetitive tasks;
Visual inspection;
Complex systems.

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Detailed Content / Topics - The following Subjects will be addressed

Day 3

7. Communication

Within and between teams;
Work logging and recording;
Keeping up to date, currency;
Dissemination of information.

8. Human Error

Error models and theories;
Types of error in maintenance tasks;
Implications of errors (i.e. accidents);
Avoiding and managing errors.

9. Hazards in the Workplace

Recognising and avoiding hazards;
Dealing with emergencies.

Target Groups

This course is aimed at Components, Engines and APU Certifying Staff, Quality Managers, Line & Training Managers, other stakeholders and persons wishing to understand the Principles of Aviation Human Factors Exposure.

Pre-requisites

A background in aviation engineering or an aircraft engineering apprenticeship or other appropriate training.

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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.

Duration

3 days – Each training day will commence at 09.00 and finish at 17.00, with appropriate refreshment and breaks.

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