

MODULE 3 – ELECTRICAL FUNDAMENTALS

INTRODUCTION

Resource Group Aviation Technical Training in cooperation with AESC delivers EASA Examinations for obtaining EASA Aircraft Maintenance License, which could be done for A1, A3, B1.1, B1.3 and B2 category.

Two packages available as follows:

- Examination session
- Examination session + Manual

DESCRIPTION

The EASA Module 3 Examination is in line with the international quality and procedural standards for the training of maintenance personnel as laid down in [EASA](#).

Examination will be carried out using the multi-choice question format and essay questions, in accordance with the standard defined in [Appendix I](#) and Appendix II.

Participants will receive a Part-147 Certificate of Recognition upon successful completion of the module course and related examination.

CONTENT

	A	B1	B2
<i>Electron Theory</i>	x	x	x
<i>Static Electricity and Conduction</i>	x	x	X
<i>Electrical Terminology</i>	x	x	x
<i>Generation of Electricity</i>	-	x	x
<i>DC Sources of Electricity</i>	-	x	x
<i>DC Circuits</i>	-	x	x
<i>Resistance/Resistor</i>	-	x	x
<i>Power</i>	-	x	x
<i>Capacitance/Capacitor</i>	-	x	x
<i>Magnetism</i>	-	x	x
<i>Inductance/Inductor</i>	-	x	x
<i>DC Motor/Generator Theory</i>	-	x	x
<i>AC Theory</i>	x	x	x
<i>Resistive (R), Capacitive (C) and Inductive (L) Circuits</i>	-	x	x
<i>Transformers</i>	-	x	x

	A	B1	B2
<i>Filters</i>	-	x	x
<i>AC Generators</i>	-	x	x
<i>AC Motors</i>	-	x	x

DURATION

In accordance with the standard defined in [Appendix I](#) and Appendix II.

NUMBER OF QUESTIONS

Category A: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

Category B1: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.

Category B2: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.