

## 1: EASA PART 66 GUIDE: EASA Part 66 : Mathematics Question

*easa part 66 guide A guide to student and LAE (License Aircraft Engineer) who want to get the LWTR license or convert it from BCAR Section L to EASA Part Including EASA Part 66 Module, EASA part 66 Question Examination, EASA Part 66 Note, EASA Part 66 Tutor and aviation tool.*

There are 2 basic ways: Obtain it yourself-Need 5 years of aircraft experience workschedule and completion of all the EASA Part modules exam. There are three main steps to go through. You need to formally record your experience. How long does it take to complete each module? There is no set time limit and you can study whenever it suits you. Some people have found that they can complete a Part module including all the assessments in less than three weeks, whilst others need a few months. Some modules are very large due to their extensive syllabus content. Is there a time limit to get the licence? Will the certificate expire in a few years if I do not get the experience? EASA is not a licensing authority and therefore does not issue any licences. The list of the National Aviation Authorities and their contact details can be accessed here: What is required at the time of the application? An application for an aircraft maintenance licence or change to such licence shall be made on an EASA Form 19 in a manner established by the competent authority and submitted thereto see Appendix V to Part An application for the change to an EASA Part licence shall be made to the competent authority of the Member State that previously issued the aircraft maintenance licence. Each application shall be supported by documentation to demonstrate compliance with the applicable theoretical knowledge, practical training and experience requirements at the time of application. Maintenance experience should be written up in a manner that the reader has a reasonable understanding of where, when and what maintenance constitutes the experience. A maintenance log book detailing the experience is desirable and some competent authorities may require such a log book see AMC Consequently, the format used to evidence the maintenance experience is not strictly defined in the rules and is left at the discretion of the competent authority issuing the licence. Hence, EASA advises you follow the instructions of the competent authority where you intend to apply for. Is it mandatory to gain the required maintenance experience in an EASA approved Part organisation? According to the AMC Subpart F, FAR, etc. This means that the aircraft maintenance experience may be accepted by the competent authority when such maintenance is performed in a maintenance organisation which does not necessarily hold an EASA Part approval. However, it is on the competent authority to evaluate whether this experience is acceptable. Consequently, please contact the competent authority where you intend to apply for a licence, in order to check whether the basic experience would be acceptable, with detailed information on the type of aircraft, its operation and the nature of the work. What are the requirements to extend my licence to Category B1. Basically, the requirements to extend a cat A licence towards a cat B1. Two years of practical maintenance experience on operating aircraft in the B1.

## 2: EASA Part 66 - Module 1 " Mathematics Sofema Aviation Services

*easa part module flight stability and dynamics soulstalker. easa part 66 module 4 sameh antar. easa part module typical aircraft instrument systems.*

Mod 9 Human Factors 9. The need to take human factors into account "Human factors" refers to the study of human capabilities and limitations in the workplace. Human factors researchers study system performance. That is, they study the interaction of maintenance personnel, the equipment they use, the written and verbal procedures and rules they follow, and the environmental conditions of any system. The aim of human factors is to optimize the relationship between maintenance personnel and systems with a view to improving safety, efficiency and well-being Human factors include such attributes as: Incidents attributable to human factors human error Most problems that were leading to accidents are: There were staff shortages Time pressures existed All the errors occurred at night Shift or task handovers were involved They all involved supervisors doing long hands-on tasks There was an element of a can-do attitude Interruptions occurred There was some failure to use approved data or company procedures Manuals were confusing There was inadequate pre-planning, equipment or spares. Please study the Basic Function of the Eye! When a person is tired accommodation is reduced, resulting in less sharp vision sharpness of vision is known as visual acuity. Cones function in good light and are capable of detecting one detail and are color sensitive. This means the human eye can distinguish about different shades of color. Rods cannot detect color. They are poor at distinguishing one detail, but good at detecting movement in the edge of the visual held peripheral vision. They are much more sensitive at lower light levels. As light decreases, the sensing task is passed from the cones to the rods. This means in poor light levels we see only in black and white and shades of grey. Visual acuity is the ability of the eye to discriminate sharp detail at varying distances. Various factors can affect the eye: Physical factors such as: Environmental factors such as: Factors associated with object being viewed such as: The most common type is difficulty in distinguishing between red and green. More rarely, it is possible to confuse blues and yellows. Individual light requirements doubles with age. Glare of light affects older people more For crack inspection hold light at an angle of 5 to 45 degrees to the surface to be checked Perception is what you are expecting to see For more see exam questions! The Basic Function of the outer ear, middle ear and inner ear. You should know auditory canal, eardrum, ossicles, acoustic or aural reex, Eustachian tube, cochlea, basilar membrane, auditory nerve. The amount of vibration detected in the cochlea depends on the volume and pitch of the original sound. The audible frequency range that a young person can hear is typically between 20 and 20, cycles per second or Hertz , with greatest sensitivity at about Hz. Normal hearing is from 20 Hz to 20, Hz Hangar noise is about 70 to 75 decibel Earplugs reduce noise by 20 decibel Earmuffs reduce noise by 40 decibel Impact of Noise on Performance It can: It is normally accepted that a TWA Time Weighted Average sound level noise level exceeding 85 dB for 8 hours is hazardous and potentially damaging to the inner ear. Exposure to noise in excess of decibels without ear protection, even for a short duration, is not recommended. Presbycusis is hearing deteriorates naturally as one grows older. The ability to hear an average conversational voice in a quiet room at a distance of 2 meters 6 feet from the examiner is recommended as a routine test. Information Processing Information processing is the process of receiving information through the senses, analyzing it and making it meaningful. Sensory Receptors and Sensory Stores Physical stimuli are received via the sensory receptors eyes, ears, etc. Visual information is stored for up to half a second in iconic memory and sounds are stored for slightly longer up to 2 seconds in echoic memory. Attention can be thought of as the concentration of mental effort on sensory or mental events. You should know Selective attention cocktail party effect , Divided attention , Focused attention , Sustained attention and that attention is influenced by arousal level and stress. Perception can be defined as the process of assembling sensations into a useable mental representation of the world. Perception creates faces, melodies, works of art, illusions, etc. Decision making is the generation of alternative courses of action based on available information, knowledge, prior experience, expectation, context, goals, etc. It is also described as thinking, problem solving and judgment. Memory can be considered to be the storage and retention of information, experiences and knowledge, as well as the ability

to retrieve this information. You should know Ultra short-term memory, the role of sensory stores, Short term memory, long-term memory, Semantic memory, Episodic memory, Iconic memory Situation awareness The right environment is quickly changing, setting the stage for the creation of active failures. The maintenance environment, thought hectic, changes slowly relative to flight operations. In terms of situation awareness, engineers must have the ability to extrapolate the consequences of their errors over hours, days or even weeks. To do this, the situation awareness cues that are taught must be tailored to fit the maintenance environment using MRM-specific simulations. An example of situation awareness is an engineer seeing or perceiving blue streaks on the fuselage. His comprehension may be that the lavatory fill cap could be missing or the drain line leaking. If his situation awareness is good, he may appreciate that such a leak could allow blue water to freeze, leading to airframe or engine damage. Fear of Physical Access and Fear of Heights can cause mental problems to the engineer! Engineers do not work alone, they work in a system with an organizational culture. In this organization are certain structures and rules. The engineer or a group of engineers influence the organization or are influenced by the organization. The engineer or group has responsibilities and also conflicts. Many tasks can be done better by a team, but a team can also lead an individual to do things which the individual would not normally do group polarization, risky shift, group thinking. Best technicians are involved in more accidents as they work most when really needed An example of assertive behavior is when a technician refuses to sign off for unsafe work despite pressure Culture issues, Team working, The disadvantage of teamwork is that responsibility can be delegated, Team performance exceeds individual performance. Social loafing reflects the tendency for someone to work less hard Social loafing is a tendency for some individuals to work less hard on a task when they believe others are working on it Flight deck crew team size is small - two or three members; although the wider team is obviously larger i. Maintenance operations are characterized by large teams working on disjointed tasks, spread out over a hangar. In addition, a maintenance task may require multiple teams hangar, planning department, technical library, management each with their own responsibilities. Therefore MRM places equal emphasis on inter team teamwork skills. The Dirty Dozen, which are 12 areas of potential problems in human factors. Lack of communication Use logbooks, worksheets, etc. Discuss work to be done or what has been completed. Complacency Train yourself to expect to find a fault. Lack of knowledge Get training on type. Ask a technical representative or someone who knows. Distraction Always finish the job or unfasten the connection. Mark the uncompleted work. Lockwire where possible or use torque-seal. Double inspect by another or self. When you return to the job, always go back three steps. Use a detailed check sheet. Lack of teamwork Discuss what, who and how a job is to be done. Be sure that everyone understands and agrees. Fatigue Be aware of the symptoms and look for them in yourself and others. Plan to avoid complex tasks at the bottom of your circadian rhythm. Sleep and exercise regularly. Ask others to check your work. Lack of parts Check suspect areas at the beginning of the inspection and AOG the required parts. Order and stock anticipated parts before they are required. Know all available parts sources and arrange for pooling or loaning. Maintain a standard and if in doubt ground the aircraft. Ask for extra help. Lack of assertiveness If its not critical, record it in the journey log book and only sign for what is serviceable. Refuse to compromise your standards. Stress Be aware of how stress can affect your work. Stop and look rationally at the problem. Determine a rational course of action and follow it. Take time off or at least have a short break. Discuss it with someone. Ask fellow workers to monitor your work. Lack of awareness Think of what may occur in the event of an accident. Check to see if your work will conflict with an existing modification or repair. Ask others if they can see any problem with the work done. Norms Always work as per the instructions or have the instruction changed. Motivation can be thought of as a basic human drive that arouses, directs and sustains all human behavior. Generally we say a person is motivated if he is taking action to achieve something.

### 3: Academy Aviation | EASA Part Licence

*easa part 66 module 8 1. module 8 â€¢ physics of the atmosphere â€¢ aerodynamics â€¢ theory of flight â€¢ flight stability and dynamics.*

## EASA PART 66 MODULE 8 pdf

### 4: EASA Part 66 Exam - CAA International (CAAi)

*The cookie settings on this website are set to "allow cookies" to give you the best browsing experience possible. If you continue to use this website without changing your cookie settings or you click "Accept" below then you are consenting to this.*

### 5: EASA Part 66 B2 Modules: September

*EASA PART 66 Module 8 has been subject courses such as Physics of the Atmosphere International Standard Atmosphere (ISA), application to aerodynamics. Aerodynamics Airflow around a body; Boundary layer, laminar and turbulent flow, free stream flow, relative airflow, part 66 module 2.*

### 6: EASA Part 66 Modules Question Papers: Module 8 Basic Aerodynamics

*Aerodynamics (level 2) Airflow around a body; Boundary layer, laminar and turbulent flow, free stream flow, relative airflow, upwash and downwash, vortices, stagnation;*

### 7: EASA PART 66 ( JAR 66 ) Licence Guide - Module Syllabus

*EASA PART Module 8: Basic Aerodynamics. Physics of the Atmosphere (level 2) International Standard Atmosphere (ISA), application to aerodynamics.*

### 8: EASA Part 66 Module 8 | Module 8 Basic Aerodynamics | EASA Module 8

*easa-partmodulepdf - Download as PDF File .pdf), Text File .txt) or read online. Scribd is the world's largest social reading and publishing site. Search Search.*

### 9: Aircraft Maintenance Engineering: My World: AME Notes & Exercises

*Academy Aviation, with the contracted EASA Part Basic approved partner companies, provides premium packages for the customers who are to get EASA Part aircraft maintenance licence, to add category to their valid aircraft maintenance licence (e.g. from B to B2 category etc.), to remove limitations from their licences.*

*River of Blue Fire (Otherland, Volume 2) Sample of introduction in thesis Free speech and the baby doctor A comparative study of the three major religious movements of the Highland Quichuas in Andean Ecuador fro Campaign medals of the British Army 1815-1972 Pre-grouping trains on British Railways Youre worth more than you think! Lois Walfrid Johnson. Advanced design and implementation of virtual machines Padi enriched air diver manual german 8. The Boy Who Wanted To Talk To Whales (theme) Day 22: let God rewrite the list Michelle McKinney Hammond Women, Birth, and Death in Jewish Law and Practice (Brandeis Series on Jewish Women) Who Are the People Called Methodists? Rock Charts 2004 the Hits. So Far (Rock Charts) Improving urban water and sanitation services : health, access and boundaries Kristof Bostoan, Pete Kolsk Practical english usage Players handbook 3.5 nwnights Introduction to mathematical programming hillier Solid-liquid electrochemical interfaces Your French exchange God gives me everything Steel as a building material Doctors plot of 1953 Healthy and holy under stress Heroes and pioneers. Day 20: reshape your thinking Dallas Willard Amazon list of chess books Washington walked here; Alexandria on the Potomac, one of Americas first / Tiverton Tales (Large Print Edition) Inclinations adriana cavarero Teaching through collaboration: A guide to using the videos Collaboration Theatre and ideology Dogs Tell Their Own Stories XII The 1990s and Beyond.90 Cargo container transfer requirements for the Mobile Offshore Base The psychology of politicians Monster superstar bluetooth speaker manual A frutefull and godly exposition and declaracion of the kyngdom of Christ Bible in Spain, or, The journeys, adventures, and imprisonments of an Englishman Ten Keys to the Bible*