|  |
| --- |
| **Identification of the training organisation(s) & type training course** |
| **Training Organisation’s Name** |  |
| **CAA Approval Number** | **UK.147.** |
| **Course Reference** | Title: Reference:Date of creation:Revision date : |
| **MTOE &****Course Training Need Analysis (TNA)** | MTOE Amendment / Revision number & date:Document Reference:Revision number & date: |
| **Type Course**  | **Airframe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****as fitted with engine: \_\_\_\_\_\_\_\_\_\_\_** | A/C – Engine interfaces covered by the course?(**Y/ N**) |
| Additional Engines covered by this course (when applicable):**#1:****#2:** | A/C – Engine interfaces covered by the course?(**Y/ N**)(**Y/ N**) |
| Additional avionics systems covered by this course (when relevant):**#1:****#2:** |  |
| **Or ‘differences’ course** | specify A/C & engines (& avionics where relevant**)****From : to:** |
| **Type course** | **This course covers:****Theoretical elements only ****Theoretical & practical elements ** |
| **Sub-contracting** | **Is part of the training sub-contracted to another organisation?** (if yes, please specify what part & the organisations (s))**-****-****-** |
| **Access to an aircraft** | **the access to an aircraft of the type is granted through:****#1: aircraft owned by the training organisation****#2: contract with an OEM****#3: contract with an AMO or Operator****Or:****#4: no access:** **(**delete as applicable**)** |
| **Trainee prerequisites required?** | **Y/ N** |

Theoretical elements

|  | ATA ref. | Licencecat CLevel | Tuition hours\* | Nbr of MCQs\*\* | Available Training aids\*\*\* |
| --- | --- | --- | --- | --- | --- |
| **Time limits/ maintenance checks**  | 05 | 1 |  |  |  |
| **Dimensions/Areas (MTOM, etc)** | 06 | 1 |  |  |  |
| **Lifting and Shoring**  | 07 | 1 |  |  |  |
| **levelling and weighing** | 08 | 1 |  |  |  |
| **Towing and taxiing** | 09 | 1 |  |  |  |
|  **Parking/mooring, Storing and** **return to service** | 10 | 1 |  |  |  |
| **Placards and markings** | 11 | 1 |  |  |  |
| **Servicing** | 12 | 1 |  |  |  |
| **Standard practices- only type particular** | 20 | 1 |  |  |  |
| **Helicopters** |
| **Vibration and Noise Analysis (blade tracking)** | **18** | 1 |  |  |  |
| **Standard practices Rotor** | **60** | 1 |  |  |  |
| **Rotors** | **62** | 1 |  |  |  |
| **Rotors-monitoring and indicating** | **62A** | 1 |  |  |  |
| **Rotor drives** | **63** | 1 |  |  |  |
| **Rotor drives-monitoring and indicating** | **63A** | 1 |  |  |  |
| **Tail rotor** | **64** | 1 |  |  |  |
| **Tail Rotor-monitoring and indicating** | **64A** | 1 |  |  |  |
| **Tail rotor drive** | **65** | 1 |  |  |  |
| **Tail Rotor drive-monitoring and indicating** | **65A** | 1 |  |  |  |
| **Folding blades/ pylon** | **66** | 1 |  |  |  |
| **Rotor flight control** | **67** | 1 |  |  |  |
| **Airframe structure (helicopter)** | **53** | 1 |  |  |  |
| **Emergency flotation equipment** | **25** | 1 |  |  |  |
| **Aeroplanes structures** |
| **Standard practices and structures (damage classification, assessment and repair)** | **51** | **1** |  |  |  |
| **Fuselage** | **53** | **1** |  |  |  |
| **Nacelles/Pylons** | **54** | **1** |  |  |  |
| **Stabilisers** | **55** | **1** |  |  |  |
| **Windows** | **56** | **1** |  |  |  |
| **Wings** | **57** | **1** |  |  |  |
| **Flight control surfaces (all)** | **27A** | **1** |  |  |  |
| **Doors** | **52** | **1** |  |  |  |
| **Zonal & station identification systems** |  | **1** |  |  |  |

|  | ATA ref. | Licencecat CLevel | Tuition hours\* | Nbr of MCQs\*\* | Available Training aids\*\*\* |
| --- | --- | --- | --- | --- | --- |
| **Airframe systems** |
| **Air conditioning** | **21** | 1 |  |  |  |
| **Air supply** | **21A** | 1 |  |  |  |
| **Pressurisation** | **21B** | 1 |  |  |  |
| **Safety & warning devices** | **21C** | 1 |  |  |  |
| **Autoflight** | **22** | 1 |  |  |  |
| **Communications** | **23** | 1 |  |  |  |
| **Electrical power** | **24** | 1 |  |  |  |
| **Equipment & furnishings** | **25** | 1 |  |  |  |
| **Electronic equipment including emergency equipment** | **25A** | 1 |  |  |  |
| **Fire protection** | **26** | 1 |  |  |  |
| **Flight controls** | **27** | 1 |  |  |  |
| **Sys. Operation : Electrical/Fly-by-Wire** | **27A** | 1 (-) |  |  |  |
| **Fuel systems** | **28** | 1 |  |  |  |
| **Fuel systems-monitoring and indicating** | **28A** | 1 |  |  |  |
| **Hydraulic power** | **29** | 1 |  |  |  |
| **Hydraulic power-monitoring and indicating** | **29A** | 1 |  |  |  |
| **Ice & rain protection** | **30** | 1 |  |  |  |
| **Indicating/ recording systems** | **31** | 1 |  |  |  |
| **Instrument systems** | **31A** | 1 |  |  |  |
| **Landing gear** | **32** | 1 |  |  |  |
| **Landing gear-monitoring and indicating** | **32A** | 1 |  |  |  |
| **Lights** | **33** | 1 |  |  |  |
| **Navigation** | **34** | 1 |  |  |  |
| **Oxygen** | **35** | 1 (-) |  |  |  |
| **Pneumatic** | **36** | 1 |  |  |  |
| **Pneumatic-monitoring and indicating** | **36A** | 1 |  |  |  |
| **vacuum** | **37** | 1 |  |  |  |
| **Water/waste** | **38** | 1 (-) |  |  |  |
| **Water ballast** | **41** | 1 (-) |  |  |  |
| **Integrated modular avionics** | **42** | 1 |  |  |  |
| **Cabin systems** | **44** | 1 |  |  |  |
| **On-board maintenance systems (or covered in 31)** | **45** | 1 (-) |  |  |  |
| **Information systems** | **46** | 1 |  |  |  |
| **Cargo and Accessory compartments** | **50** | 1 |  |  |  |
| **Turbine engines** |
| **Standard practices-engines** | **70** | 1  |  |  |  |
| **Constructional arrangement and operation (installation inlet, compressors, combustion section, turbine section, bearings and seals, lubrication systems)** | **70A** | **1** |  |  |  |
| **Engine performance** | **70B** | **1** |  |  |  |
| **Powerplant** | **71** | **1** |  |  |  |
| **Engine turbine/ turboprop/ ducted fan/ unducted fan** | **72** | **1** |  |  |  |
| **Engine fuel and control** | **73** | **1** |  |  |  |
| **Air** | **75** | **1** |  |  |  |
| **Engine controls** | **76** | **1** |  |  |  |
| **Exhaust** | **78** | **1** |  |  |  |
| **Oil** | **79** | **1** |  |  |  |
| **Starting** | **80** | **1** |  |  |  |
| **Water injection** | **82** | **1** |  |  |  |
| **Accessory gearbox** | **83** | 1 |  |  |  |
| **Propulsion augmentation** | **84** | 1 |  |  |  |
| **FADEC** | **73A** | 1 |  |  |  |
| **Ignition** | **74** | 1 |  |  |  |
| **Engine indicating systems** | **77** | 1 |  |  |  |
| **Auxiliary Power Units (APUs)** | **49** | 1 (-) |  |  |  |
| Piston engines |
| Standard practices-engines | 70 | **1** |  |  |  |
| Constructional arrangement and operation (installation, carburettors, fuel injection systems, induction, exhaust and cooling systems, supercharging/turbocharging, lubrication systems) | 70A | **1** |  |  |  |
| Engine performance | 70B | **1** |  |  |  |
| Powerplant | 71 | **1** |  |  |  |
| Engine control | 76 | **1** |  |  |  |
| Oil | 79 | **1** |  |  |  |
| Starting | 80 | **1** |  |  |  |
| Turbines | 81 | **1** |  |  |  |
| Water injections | 82 | **1** |  |  |  |
| Accessory gear boxes | 83 | **1** |  |  |  |
| Propulsion augmentation | 84 | **1** |  |  |  |
| FADEC | 73A | 1 |  |  |  |
| Ignition | 74 | 1 |  |  |  |
| Engine indication systems | 77 | 1 |  |  |  |
| **Propellers** |
| **Standard practices Propellers - General** | **60A** | 1 (-) |  |  |  |
| **Propellers/ propulsion** | **61** | 1 (-) |  |  |  |
| **Propeller construction** | **61A** | 1 (-) |  |  |  |
| **Propeller pitch control** | **61B** | 1 (-) |  |  |  |
| **Propeller synchronising** | **61C** | 1 (-) |  |  |  |
| **Propeller electronic control** | **61D** | 1 (-) |  |  |  |
| **Propeller ice protection** | **61E** | 1 (-) |  |  |  |
| **Propeller maintenance** | **61F** | 1 (-) |  |  |  |
|  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |

See notes overleaf.

“1 (-)” Please refer to Appendix III for details

\* These hours exclude ‘self study’ and examination hours

\*\* Number of Multi Choice Questions (MCQ) used per exam paper

\*\*\* Training aids:

|  |  |
| --- | --- |
| 1 | STD/ Graphical Flight-Deck Simulator |
| 2 | STD/ Full Flight Simulator |
| 3 | STD/ Desktop Training Simulator |
| 4 | STD Maintenance simulator 3D |
| 5 | Mock-up (Part Task Trainer) |
| 6 | Actual Aircraft |

|  |  |  |
| --- | --- | --- |
|  | Date | Name, position & signature |
| Form filled by: |  |  |
| Quality Assurance validation: |  |  |

Note: the reference block in the header can be used by the applicant to create an individual course approval form reference and to track the successive amendments of this form. In effect changes such as durations, mcq, or info provided in front page etc… may not induce a change of the “course reference” itself but will require the course approval form to be amended to reflect the changes.

|  |  |  |
| --- | --- | --- |
| **CAA** | **Date** |  |
| **Application:** |  | **Surveyor´s name & signature** |
| **Syllabus checked by:** |  |  |
| **MTOE Reference and Amendment Status:** |  |  |

**! ONCE accepted by your surveyor, please insert a copy of this form in your MTOE, Part 4**