



NUBIS AVIATION TRAINING
GIVING FUEL TO YOUR SKILLS

LETTER OF CONFORMITY AND QUALITY ASSURANCE

To whom it may concern,

This letter is to confirm that this training course "Regulatory Training Requirements for EASA Part 145 Personnel", as delivered by Nubis Aviation Ltd, conforms to the current regulations of Personnel Requirements as per Commission Regulation EU No. 1321/2014 for continued airworthiness and Commission Regulation EU No. 748/2012 for initial airworthiness.

In particular, this course combines the syllabus requirements of the following;

- Human Factors (HF) training as per EASA GM1 145.A.30(e) and the generic competency framework of the European Human Factors Advisory Group.
- Electrical Wiring Interconnect Systems (EWIS) training as per EASA AMC 20-22 annex III to ED decision 2008/007/R of 29/08/2008, as per AMC4 145.A.30(e).
- Fuel Tank Safety (FTS) training as per EASA Appendix IV to AMC 145.A.30(e) & 145.B.10(3) as well as AMC M.A.706(f) & M.B.102(c)
- Safety Management System (SMS) introduction as per ICAO Annex 19 requirements and EU Regulation No 1035/2011.

In addition to the above requirements, there is also information though to be relevant or thought-provoking by Nubis Aviation Training and customer feedback, including mental health and well-being. Kindly refer to Appendix A for a cross-reference analysis of syllabus requirements, as per the above regulations.

I declare that all updates and requirements for this course are controlled and documented using the internal Quality Management System of Nubis Aviation Ltd.

Signatory,

Claudio D Marturano
Accountable Manager
Nubis Aviation Ltd



Appendix A – Cross Reference of Syllabus Requirements

Nubis Course Syllabus	EASA Requirement
Introduction and Regulations	HF - General/Introduction to human factors HF - Need to address human factors EWIS - What is EWIS? EWIS - Background and need to address EWIS EWIS - Course Target Groups FTS - Understanding of the background and the concept of fuel tank safety FTS - SFAR 88 of the FAA and JAA Interim Policy INT POL 25/12 SMS – Introduction to Safety Management Systems
Factors Affecting Human Performance	HF - Statistics HF - Safety Culture/Organisational factors HF - Human performance & limitations HF - Vision HF - Hearing HF - Information Processing HF - Attention & Perception HF - Situational awareness HF - Memory HF - Claustrophobia and physical access HF - Motivation HF - Fitness/Health HF - Stress HF - Workload management HF - Fatigue HF - Alcohol, medication, drugs HF - Physical work HF - Environment HF - Peer pressure HF - Stressors HF - Time pressure and deadlines HF - Workload HF - Shift Work HF - Noise and fumes HF - Illumination HF - Climate and temperature HF - Motion and vibration HF - Hazards in the workplace HF - Lack of manpower HF - Distractions and interruptions HF - Cultural differences EWIS - Human Factors in Inspection



Nubis Course Syllabus	EASA Requirement
Communications & Teamwork	HF - Communication HF - Shift/Task handover HF - Dissemination of information HF - Teamwork HF - Management, supervision and leadership HF - Decision making HF - Keeping up to date; currency HF - Assertiveness
Professionalism & Integrity	HF - Responsibility HF - Professionalism and integrity HF - Error provoking behaviour
Working / Safety Practices	FTS - Where relevant information can be found and how to use and interpret this information in the instructions for continuing airworthiness HF - Procedures, information, tools and practices HF - Work logging and recording HF - Procedure - practice/mismatch/norms HF - Technical documentation - access and quality EWIS - Safety Practices FTS - Some examples of maintenance instructions for inspection FTS - Recording maintenance actions, recording measures and results of inspections.
History & Incidents	HF - Incidents FTS - The major accidents related to fuel tank systems
Inspections & Tasks	HF - Visual Inspection EWIS - GVI, DET, SDI & Zonal Inspection EWIS - Zonal Areas of Inspection EWIS - Visual Inspection Procedures HF - Complex systems HF - Critical maintenance tasks and error-capturing methods (independent inspection, reinspection, etc.) HF - Repetitive tasks/complacency
Errors	HF - Human Error HF - Error models and theories HF - Types of errors in maintenance tasks HF - Violations HF - Implications of errors HF - Avoiding and managing errors HF - Human reliability
Human factors program	HF - Organisation's HF program HF - Reporting errors HF - Disciplinary policy HF - Error investigation HF - Action to address problems HF - Feedback



Nubis Course Syllabus	EASA Requirement
Housekeeping	EWIS - Aeroplane External Contamination Sources EWIS - Aeroplane Internal Contamination Sources EWIS - Other Contamination Sources EWIS - Contamination Protection Planning EWIS - Protection During Aeroplane Maintenance EWIS - Cleaning Processes
Electrostatic Discharge Sensitive (ESDS) Devices	EWIS - ESDS Device Handling & Protection
LRU General Practices	EWIS - LRU Replacement General Practices
Wires	EWIS - Wire Identification, Type & Construction EWIS - Insulation Qualities & Damage Limits EWIS - Inspection Criteria & Standards for Wire & Wire Bundles EWIS - Wire Bundle Installation Practices EWIS - Maintenance & Repair Procedures EWIS - Sleeving EWIS - Unused Wires – Termination & Storage EWIS - Electrical Bonding & Grounds
Tools & Calibration	EWIS - Tools, Special Tools & Equipment EWIS - Verifying Calibration/Certification of Instruments, Tools & Equipment
Wiring Practices	EWIS - Required Wiring Checks using the EWIS - Troubleshooting Procedures & Charts EWIS - Measuring & Troubleshooting using Meters EWIS - Standard Wiring Practices Manual EWIS Structure/Overview EWIS - Chapter Cross-Reference Index EWIS - Important Data & Tables EWIS - Wiring Diagram Manuals EWIS - Other Documentation as Applicable
Wiring System Damage and Repairs	EWIS - Wiring System Damage EWIS - Typical Damage & Areas Found EWIS - General Connector Types & Identification EWIS - Cautions & Protections EWIS - Typical Damage Found EWIS - Repair Procedures EWIS - Circular Connectors EWIS - Rectangular Connectors EWIS - Terminal Blocks – Modular EWIS - Terminal Blocks – Non-Modular EWIS - Grounding Modules EWIS - Pressure Seals
CDCCL	FTS - The description of concept of fuel tank safety and CDCCL FTS - Some examples of manufacturers documents showing CDCCL items
Fire & Fuel	FTS - The explosions of mixtures of fuel and air



Nubis Course Syllabus	EASA Requirement
	FTS - Ignition source prevention FTS - Typical examples of FTS defects
Flammability Reduction Systems	FTS - Flammability reduction systems when installed
FTS Maintenance	FTS - Awareness of any hazards especially when working on the fuel system FTS - Fuel Tank Safety during maintenance
Introduction to SMS	
Conclude	