



HELICOPTERS

International Services

Aviation Training Catalogue

AIRBUS

Our team

With field experience strengthened by consulting and teaching skills, our team is channelling the wealth of expertise of Airbus to provide the highest standards of training in the aviation industry.

Let us share with you the knowledge and expertise collected throughout over 60 years of aviation history as the top manufacturer and maintenance organization.

Where to find us

Our Dublin office welcomes trainees from around the world. In addition, our worldwide network of Airbus premises provides flexible options in terms of proximity and rates.

On request, the training could be organized in your location of choice.

All our training can be made available on our eLearning website. Please visit www.airbushelicopters.ie for more information.

Your Training

Our range of specialized trainings will provide your personnel with theoretical and practical understanding of the applicable aviation regulations and standards.

We can customize the courses to address your specific needs and schedule classes at your convenience. We will:

- Analyse your requirements;
- Identify appropriate courses and instructors;
- Arrange training dates and venues.

On request, we can organise seminars and conventions focused on the topic you would like to address

All our trainings are developed and taught in English and can be adapted in your preferred language.

Please contact us to discuss your requirements.



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A black and white photograph of a jet engine fan. The fan blades are visible in the background, and a curved surface in the foreground is covered in water droplets.

#1

Quality Management

Quality Management System (EN9100) - Enhanced

Course description

This course will provide attendees with an in-depth knowledge of the basic requirements for Quality Management System (QMS) in the aerospace industry, involved in production and design of Aircraft, parts, appliances and services.

One of the topics addressed in this course will be the QMS certification process, as standardized by the IAQG (International Aerospace Quality Group) and how accredited certification bodies conduct their investigations.

The course outlines details of the EN9100 standard, related to quality management systems.

Target attendees

- Accountable Managers from Production & Design Organisations
- All personnel contributing the Quality Management System (Quality Managers, auditors, procurement, engineering, maintenance staff, etc.)

Course content

- Aviation standards and regulations environment
- Quality definition and concepts
- Process approach
- Overview of the 9100 and other standards
- Introduction, scope, references, definitions
- Quality Management System
- Management responsibility
- Resource management
- Production
- Measurement, analysis and improvement
- Assessment of knowledge

Course duration

2 days

Quality Management System for Aviation Maintenance Organisation (EN9110) - Enhanced

Course description

This course will provide attendees with in-depth knowledge of the basic requirements for Quality Management System (QMS) in the Aviation Maintenance activities (including engineering).

Some of the topics addressed in this course will be the QMS certification process, as standardized by the IAQG (International Aerospace Quality Group) and how accredited certification bodies conduct their investigations.

The course outlines details of the EN9110 standard, related to quality management systems.

Target attendees

- Accountable Managers from Maintenance & Engineering Organisations
- All personnel contributing the Quality Management System (Quality Managers, auditors, procurement, engineering, maintenance staff, etc.)

Course content

- Aviation standards and regulations environment
- Quality definition and concepts
- Process approach
- Overview of the 9110 and other standards
- Introduction, scope, references, definitions
- Quality Management System
- Management responsibility
- Resource management
- Production
- Measurement, analysis and improvement
- Assessment of knowledge

Course duration

2 days



#2

Audit

Audit Techniques - Enhanced

Course description

This course will provide attendees with a basic understanding of audits techniques and associated procedures and check-lists to assess the conformity and performance of a Quality Management System, deployed as per EN 9100, 9110 or 9120 requirements within Design, Production, Maintenance or Flight Operation Organization.

This course has been developed in full compliance with ISO 19011 standards.

This module should be combined with the module for Flight & Ground Operations or Maintenance/Engineering Organisations.

During this training, practical exercises and role games will be arranged to gain an initial practical experience of audit.

By the end of the course, the trainees will acquire methods and procedures for the implementation of a compliance monitoring system as per aviation legislation requirements (EASA Part 21, Part 145, AIR- OPS, FAA 14 CFR Part 121, 145, etc.).

Target attendees

- Quality Managers
- Auditors (internal or Supply Chain)
- Any personnel contributing to the continuing compliance monitoring system

Course content

- Aviation legislation & Industry Standards overview (ICAO, EASA, FAA IAQG, etc.)
- Definitions, concepts and guidelines for “Auditing Management System” (ISO 19011:2011)
- Manage an audit program
- Initiate the audit and conduct opening meetings
- Understand auditor responsibilities
- Conduct on-site activities
- Collect information during an audit
- Communicate effectively during the audit
- Generate audit findings
- Classify non-conformities
- Prepare audit conclusions
- Conduct closing meetings
- Report audit results
- Conduct audit follow-up

Course duration

2 days

Audit Techniques for Maintenance & Engineering Operations

Course description

This course will provide attendees with a detailed understanding of audit techniques and use of specific check-lists to measure conformity and performance of a Quality Management System implemented within a Maintenance and/or Airworthiness & Engineering Organisation.

This course is a supplement to the “Auditing Techniques” module and should be a part of a continuing training process.

This course has been developed in full compliance with EASA and FAA standards (EASA Part 145, FAA CFR Part 145, EASA Part M, FAA CFR 121-Subpart L, AC 120-16F).

Some of the topics addressed in this course will be: adapting generic audit techniques, references and protocols to the Aircraft, Part and applicable Maintenance, Repair or Airworthiness management activities as well as conducting case studies, exercises and debates.

Target attendees

- AMO/CAMO Quality Managers
- AMO/CAMO Quality Auditors

Course content

- Overview of Aviation Legislation and focus on EASA/FAA Part 145, Part M, 121-L.
- Overview of EN 9110 with a focus on common Quality Issues with Aviation Legislation
- Reminder on Audit Techniques principles (ISO 19011)
- Preparing an Audit Plan, Audit Check List and Audit Report Template
- Audit simulation in a work-like environment

Course duration

2 days

Audit Techniques for Flight & Ground Operations

Course description

This course will provide attendees with a detailed understanding of audit techniques and use of specific check-lists to measure conformity and performance of a Quality Management System implemented within Air Carrier Flight & Ground Operations activities.

This course is a supplement to the “Auditing Techniques” module and should be part of a continuing training process.

This course has been developed in full compliance with EASA and FAA standards (EASA IR-OPS, AIR CREW, FAA CFR Part 119, Part 121, and Part 61).

Some of the topics addressed in this course will be: adapting generic audit techniques, references and protocols to the Flight & Ground Operations, Aircrew training and licensing, Flight Safety activities as well as conducting case studies, exercises and debates.

Target attendees

- Safety & Quality Managers
- Auditors
- Flight Safety Officers

Course content

- Overview of Aviation Legislation and focus on EASA Air Operations Part ORO, CAT, SPA & SPO, EASA AIR CREW Part FCL, ORA, MED, FAA CFR 61, Part 91, Part 121
- Reminder on Audit Techniques principles (ISO 19011)
- Preparation of an Audit Plan, Audit Check List and Audit Report Template
- Audit simulation in a work-like environment

Course duration

2 days



#3

Aviation Regulatory Framework

Aviation Legislation - Awareness

Course description

This course will provide attendees with a basic understanding on the international regulation environment and the European aviation requirements, approvals and associated privileges.

This course has been developed in full compliance with the Levels of Knowledge to be acquired, as defined in EASA Part 66 Appendix I.

By the end of the course, the trainees will reach Level 1: “A familiarization with the principal elements of the subject”.

Target attendees

- Accountable Managers
- Quality and Technical Managers (Ops, Maintenance, Airworthiness, Design, Manufacturing, Procurement)
- Aircraft Maintenance Certifying Staff (B1, B2, C) a part of their Part 66 Basic Training, shall select the “Aviation Legislation Enhanced Training” – Equivalent to Module 10

Course content

- Presentation of the International Regulation Environment and context
- Presentation of European Basic Regulation (EC) N°216/208
- Presentation of European Regulation (EC) N° 1321/2014, related to implemented rules for Continuing Airworthiness Organisations & Personnel involved including EASA Part 145, Part 147, Part 66 & Part M overview
- Presentation of European Regulation (EC) N° 748/2012, related to implemented rules for Airworthiness and Environmental Certification & Production Organisations Certification, including EASA Part 21 and Certification Specifications (CS 25, CS 23, CS E, etc.)
- Presentation of European Regulation (EC) 965/2012, related to implemented rules for Air Operations
- Maintenance Licenced Personnel: Introduction to EASA Part 66 regulation (Maintenance personnel licenses)

Aviation Legislation - Awareness

Course content

- Maintenance: Introduction to EASA Part 145 regulation (Approved Maintenance Organizations) and EASA Part M Subpart F
- Air Operations: Introduction to EASAA IR-OPS regulation
 - AOC
 - Links OPS versus CAMO
 - MEL/CDL
 - On board Documents
 - A/C Markings, placards, etc.
- Certification of A/C, Parts and Appliances
 - EASA Part 21
 - CS 23, 25, 27, 29
 - Certificates: CofA (Certificate of Airworthiness), Registration, Noise, Radio License, etc.
 - Weight & Balance survey & reporting
- Airworthiness
 - Specific provisions of Part 21 relevant to “Continued” Airworthiness
 - Introduction to EASA Part M (Continuing Airworthiness)
- Knowledge assessment

Course duration

2 days

Aviation Legislation - Enhanced

Course description

This course will provide attendees with a detailed understanding on international regulation environment and focus on the European aviation requirements, approvals and associated privileges.

This course has been developed in full compliance with the Levels of Knowledge to be acquired, as defined in EASA Part 66 Appendix I for each Category (A, B1 or B2).

Some of the topics addressed in this course will help to identify the different regulatory documents and how to use them in different activities (Flight Operations, Maintenance, Airworthiness, Design, Production, Training, etc.)

By the end of the course, the trainees will reach Level 2 “A general knowledge of the theoretical and practical aspects of the subject and an ability to apply that knowledge”.

Target attendees

- Accountable Managers
- Quality and Technical Managers (Ops, Maintenance, Airworthiness, Design, Manufacturing, Procurement)
- Aircraft Maintenance Certifying Staff (B1, B2, C) a part of their Part 66 Basic Training, shall select the “Aviation Legislation Enhanced Training” – Equivalent to Module 10

Course content

- Presentation of the International Regulation Environment and context
- Presentation of European Basic Regulation (EC) N°216/208
- Presentation of European Regulation (EC) N° 1321/2014, related to implemented rules for Continuing Airworthiness Organisations & Personnel involved including EASA Part 145, Part 147, Part 66 & Part M overview
- Presentation of European Regulation (EC) N° 748/2012, related to implemented rules for Airworthiness and Environmental Certification & Production Organisations Certification, including EASA Part 21 and Certification Specifications (CS 25, CS 23, CS E, etc.)
- Presentation of European Regulation (EC) 965/2012, related to implemented rules for Air Operations
- Maintenance Licenced Personnel: Introduction to EASA Part 66 regulation (Maintenance personnel licenses)

Aviation Legislation - Enhanced

Course content

- Maintenance: Introduction to EASA Part 145 regulation (Approved Maintenance Organizations) and EASA Part M Subpart F
- Air Operations: Introduction to EASAA IR-OPS regulation
 - AOC
 - Links OPS versus CAMO
 - MEL/CDL
 - On board Documents
 - A/C Markings, placards, etc.
- Certification of A/C, Parts and Appliances
 - EASA Part 21
 - CS 23, 25, 27, 29
 - Certificates: CofA (Certificate of Airworthiness), Registration, Noise, Radio License, etc.
 - Weight & Balance survey & reporting
- Airworthiness
 - Specific provisions of Part 21 relevant to “Continued” Airworthiness
 - Introduction to EASA Part M (Continuing Airworthiness)
- Knowledge assessment

Course duration

2 days

Aircraft Maintenance Training Organisation Approval (Part 147) - Awareness

Course description

This course will provide attendees with a detailed understanding of the EASA Part 147 requirements and its relationship with other airworthiness regulation codes.

Some of the topics addressed in this course will be MTO organisation, Manual (Exposition), Training Program & acceptable training Material.

Target attendees

- Maintenance Organisation Accountable Manager
- Training Managers, Maintenance Training Instructors
- Line, Base & Workshops Maintenance Managers & Maintenance Engineers
- Quality Manager, Quality Lead Auditors
- Maintenance Certifying Staff

Course content

- Brief presentation of the Aviation Legislation and focus on European Basic Regulation (EC) N°216/208
- Presentation of (EC) N° 1321/2014, related to implemented rules for Continuing Airworthiness Organisations & Personnel involved including EASA Part 145, Part 66 & Part M overview
- Detailed study of EASA Part 147 requirements applicable to Maintenance Training Organisations
 - Definition, requirements, etc.
 - Certifying staff categories
 - Organization of an Approved maintenance Training school
- Construction of Maintenance Training Organisation Exposition (MTOE)
 - Presentation of the document
 - Objectives
 - Structure
 - Basic training: theoretical and practical training
 - Basic knowledge examination
 - Theoretical and practical task rating training
- Construction and control of training material (courseware, Training Devices, etc.)
- Quality oversight and audit programme

Course duration

1 day

Air Operations Regulation - Awareness

Course description

This course will provide attendees with a basic understanding of the EASA regulation transposed into European law concerning aircraft operations.

One of the topics addressed in this course will be the ability to consider the requirements of Quality Assurance in the operator's flight operations division.

Target attendees

- Flight Operations: Flight Operations Managers, Crew Training Managers, Ground Operations Managers, Flight Safety Department Managers and Inspectors with operational oversight responsibilities, Flight Safety Officers, Flight Operations Officers, Flight & Cabin Crew Members, etc.
- CAMO "Nominated Postholders", Compliance Monitoring Managers (Quality) and Auditors, Safety Managers.
- Authorities.

Course content

- The ICAO, EASA, FAA aviation legislation environment
- The basic regulation EC 216/2008 introducing EASA Air OPS requirements EC 965/2012
- EASA Air OPS structure including the following annexes:
 - Annex I – Definitions (for all subsequent Annexes, including Abbreviations and Acronyms)
 - Annex II – Part – ARO: Authority Requirements for Air Operations
 - Annex III – Part – ORO: Organization Requirements for Air Operations
 - Annex IV – Part – CAT: Commercial Air Transport Operations
 - Annex V – Part – SPA: Specific Approvals

Course duration

2 days

Heliport and Helideck Certification - Awareness

Course description

This course will provide attendees with a basic understanding on specifications, certification and periodical inspection of Heliport, Helipad, and Helidecks.

One of the topics addressed in this course will be an overview on international regulations, standards and industry practices (ICAO, FAA, EASA, UK CAA, OGP & Flight Safety Foundation).

Target attendees

- Accountable Managers form Helicopter Air Operator
- Heliport/Helideck Landing Officers
- Quality & Safety Managers (Flight Ops, Maintenance, Logistics)
- Auditors

Course content

- Overview of ICAO Annex 14 – Volume II: Standard and Recommended Procedures for Heliport & Doc 9261 (Heliport manual)
- Overview of ICAO Annex 15 – Aeronautical Information Services - Appendix 1 - Part 3 Aerodromes (AD): Declared distances
- Overview of FAA regulation: Part 139 & AC 150/5390-2
- Overview of EASA regulation: CS-ADR-DSN & RMT.0638
- Overview of CAP 437: Standards for offshore helicopter landing areas

Course duration

2 days

#4

Initial Airworthiness Management

Production Organisation Approval (Part 21 - Subpart G) - Awareness

Course description

This course will provide attendees with a detailed understanding of the EASA Part 21 requirements with a specific focus on Subpart G related to the Production Organisation Approval including Aircraft Production, Assembly Line, Components and Systems production.

Some of the topics addressed in this course will be Type Certificates (Subpart B), Changes to Type Design (Subpart D), Supplemental Type Certificates/STC (Subpart E) and Repairs Design (Subpart M).

By the end of the course, the trainees will have a clear view on basic initial airworthiness management process, obligations, associated documentation, procedures and privileges. They will be familiar with the EASA regulation for the production of aircraft, have a detailed understanding of the EASA PART 21G (POA) requirements and know its scope and objectives related to the design and production of aeronautical materials (components).

Target attendees

- Production Organisation Accountable Managers
- Quality Assurance Department, Quality Auditors
- Personnel from Manufacturing, Methods, Control, Delivery Centres
- Personnel from Engineering
- Personnel from Customer Services involved in Spare Parts procurement, Incoming process, distribution, Retrofit, etc.
- Personnel from Procurement

Production Organisation Approval (Part 21 - Subpart G) - Awareness

Course content

- Brief presentation of the Aviation Legislation and focus on European Basic Regulation (EC) N°216/208
- Presentation of (EC) N° 748/2012, related to implemented rules for Airworthiness and Environmental Certification & Production Organisations Certification, including Initial Airworthiness and Certification Specifications (CS 25, CS23, CSE, etc.)
- Detailed study of EASA Part 21 G requirements applicable for Production Organisation Approval
 - POA overview
 - POA Privileges & Responsibilities (obligations)
 - Process and procedures to obtain a POA
 - EASA Form 52 (A/C Statement of Conformity)
 - EASA Form 53 (A/C Certificate of Release to Service)
- Production Organisation Exposition (POE)
- EASA Form 1 (Authorized Release Certificate for Product, Parts & Components)
- Knowledge assessment

Course duration

2 days

Design Organisation Approval (Part 21 - Subpart J) - Awareness

Course description

This course will provide attendees with a basic understanding of the EASA Initial Airworthiness regulation, in particular EASA Part 21 requirements with a specific focus on Subpart J related to the Design Organisation Approval.

Some of the topics in this course will also address Type Certificates (Subpart B), Changes to Type Design (Subpart D), Supplemental Type Certificates (STC - Subpart E) and Repairs Design (Subpart M).

By the end of the course, the trainees will have a clear view on basic initial airworthiness management process, obligations, associated documentation, procedures and privileges.

Target attendees

- Design Organisation/Office Accountable Managers
- Design Assurance Quality Personnel
- Personnel from Design Office, Airworthiness Office, Engineering, Methods, Control
- Personnel from Customer Services involved in Repair, Retrofit, Service Bulletins and STC activities.
- Engineering personnel participating to initial FHA (Functional Hazard Analysis), SSA (System Safety Analysis) and other activities pertaining to the A/C systems, structures, software development and certification activities
- Personnel from Procurement

Design Organisation Approval (Part 21 - Subpart J) - Awareness

Course content

- Brief presentation of the Aviation Legislation and focus on European Basic Regulation (EC) N°216/208
- Presentation of (EC) N° 748/2012, related to implemented rules for Airworthiness and Environmental Certification & Production Organisations Certification, including Initial Airworthiness and Certification Specifications (CS 25, CS23, CSE, etc.)
- Detailed study of EASA Part 21 J requirements applicable Design Organisation Approval
 - General
 - DOA overview
 - DOA Privileges
 - Process and procedures to obtain a DOA
 - Minor Change Approval process for DOA Holder
 - Non-significant Major Change Approval process for DOA Holder
 - DOA Holder - Significant Major Change Approval process
- Overview of EASA Part 21 Subpart B, Part D, Subpart E & Subpart M
- Note: a specific enhanced training module is available to explore in depth these topics
- Knowledge assessment

Course duration

2 days



#5

Continuing Airworthiness Management

Continuing Airworthiness Management Organisation Approval (EASA Part M) - Awareness

Course description

This course will provide attendees with a basic understanding of the EASA Part M requirements related to the management of aircraft airworthiness.

By the end of the course, the trainees will have a clear view on basic airworthiness management process and documentation.

Target attendees

- Maintenance Organisation (MRO) or CAMO Accountable Managers
- Technical/Engineering Managers
- Airworthiness Managers/Post Holders or Inspectors

Course content

- Brief presentation of the Aviation Legislation and focus on European Basic Regulation (EC) N°216/208
- Presentation of (EC) N° 1321/2014, related to implemented rules for Continuing Airworthiness Organisations & Personnel involved including EASA Part 145, Part 147 & Part 66 overview
- Detailed study of EASA Part M requirements applicable to Continuing Airworthiness Management Organizations Approval
 - General
 - Accountability
 - Airworthiness
 - Maintenance Standards
 - Components
 - Links/Interface with Maintenance Organisation
 - CAMO approval
 - Certificate of Release to Service (CRS)
 - Airworthiness Review Certificate (ARC)
- Knowledge assessment

Course duration

2 days



#6

Maintenance

Human Factors - Awareness

Course description

This course will provide attendees with a basic understanding of the significant influence of Human Factors in Maintenance.

This course has been developed in full compliance with the Levels of Knowledge to be acquired, as defined in EASA Part 66 Appendix I.

By the end of the course, the trainees will reach Level 1: "A familiarization with the principal elements of the subject".

Target attendees

- Aircraft Maintenance Staff
- Quality Managers, Technical Managers, Engineers
- Personnel from Human Resources Department

Course content

- Introduction
- Examples of Human error
- Human Performance & Limitations
- Social Psychology
- Factors affecting Performance
- Physical Environment
- Type of Tasks
- Communication
- Human errors
- Hazard in workplace
- Assessment of knowledge

Course duration

1 day

Human Factors - Enhanced

Course description

This course will provide attendees with a detailed understanding of the significant influence of Human Factors in Maintenance.

This course has been developed in full compliance with the Levels of Knowledge to be acquired, as defined in EASA Part 66 Appendix I for each Category (A, B1 or B2).

By the end of the course, the trainees will reach Level 2: “A general knowledge of the theoretical and practical aspects of the subject and an ability to apply that knowledge”.

Target attendees

- Maintenance Certifying Staff Category A, B1, B2
- Personnel with signatory authorization for any “release document” (EASA Form 1, FAA Form 8110-3, etc.)

Course content

- Introduction
- Examples of Human error
- Human Performance & Limitations
- Social Psychology
- Factors affecting Performance
- Physical Environment
- Type of Tasks
- Communication
- Human errors
- Hazard in workplace
- Assessment of knowledge

Course duration

4 days

Foreign Object Damage & Debris - Awareness

Course description

This course will provide attendees with a basic understanding of Foreign Object Debris (FOD) awareness, identification, control and prevention, and the resulting Foreign Object Damage (FOD).

Some of the topics addressed in this course will be examples applicable to Maintenance Repair & Overhaul (MRO), Production & Airport environment.

Target attendees

- All personnel working in proximity of Aircraft, parts or Appliance (ramp inspection, line and base maintenance, retrofit activities, airport ground handling, manufacturing activities, assembly line, Ground/Flight Test activities, Aircraft delivery, etc.)
- Personnel & Manager involved the Quality System
- Design Engineers contributing to innovative and preventive design solutions against FOD
- Maintenance Engineering Engineers contributing to plan maintenance tasks to detect FOD

Course content

- Definition, Backgrounds and Understanding of FOD
- Identification of FOD sensitive area (in Airport, MRO, Ramp & Production) Foreign Object Elimination (FOE) Program Reporting and Investigations
- Examples and Case Studies (Concorde accident)
- Conclusion

Course duration

1 day

Suspected Unapproved Part - Awareness

Course description

This course will provide attendees with relevant skills to identify, manage and investigate any suspected unapproved parts and appropriate reporting and recovery measures.

Some of the topics addressed in this course will be the FAA & EASA SUPs policy and investigative techniques which satisfy safety and enforcement responsibilities.

Target attendees

- Maintenance/Production Organisation Accountable Managers, Procurement Managers, Quality Assurance Managers, Auditors
- Any Personnel from Base & Line Maintenance, Workshop/Repair Shop, Store, Logistics contributing to shipping or incoming inspection process
- Maintenance/Production Certifying staff

Course content

- Basic fundamentals and reminders regarding Aircraft, Parts and Appliance incoming inspection as per EASA Part 145 and/or FAA 14 CFR Part 145
- History and background of SUPs Program
- Safety Risks and harms inherent to SUPs
- Sups detection, Identification and management process and methods
- Reporting to FAA and/or EASA
- Overview of FAA Order 8120-10 & 8120-16A and EASA Form TE.IORS.000444 & 48
- Closure action and Recording

Course duration

1 day

Aircraft Maintenance Licensing (Part 66) - Awareness

Course description

This course will provide attendees with a basic understanding of the EASA regulation regarding training and qualification of certifying staff.

One of the topics addressed in this course will be to present different categories of licences with their associated privileges.

By the end of the course, the trainees will have a detailed understanding of the EASA Part 66 requirements and its relationship with other continuing airworthiness requirements.

Target attendees

- Maintenance Organisation Accountable Manager
- Training Managers
- Line, Base & Workshops Maintenance Managers
- Quality Manager, Quality Lead Auditors
- Maintenance Certifying Staff

Course content

- Brief presentation of the Aviation Legislation and focus on European Basic Regulation (EC) N°216/208
- Presentation of (EC) N° 1321/2014, related to implemented rules for Continuing Airworthiness Organisations & Personnel involved including EASA Part 147, Part 145 & Part 66 overview
- Detailed study of EASA Part 66 requirements applicable to Maintenance Personnel
 - Certifying staff categories
 - Application
 - Privileges
 - Experience requirements
 - Basic knowledge requirements and task rating training
- Equivalence & “Grandfather rights”
- Additional trainings
- Changes in type and group ratings and type training
- Changes in the privileges of B1 and B2 licenses
- Control of acquired knowledge

Course duration

1 day

Electrical Wiring Interconnection Systems (EWIS) - Awareness

Course description

This course will provide attendees with a basic understanding on developing an enhanced EWIS training program based on recommendations submitted to the FAA from the Aging Transport Systems Rulemaking Advisory Committee (ATSRAC)

This course has been developed in full compliance with FAA Advisory Circular AC 21-20.

Some of the topics addressed in this course will be improvement of the awareness and skill level of the aviation personnel in EWIS production, modification, maintenance, inspection, alterations and repair.

By the end of the course, the trainees will have the necessary skills for hands on training at the customers own facility.

Course objectives

This training provides guidance for developing an enhanced EWIS training program based on recommendations submitted to the FAA from the Aging Transport Systems Rulemaking Advisory Committee (ATSRAC). The content has been developed in accordance with FAA Advisory Circular AC 21-20.

This training will improve the awareness and skill level of the aviation personnel in EWIS production, modification, maintenance, inspection, alterations and repair. The practical aspects are covered using video sequences from real work shop environment to allow participants to develop the necessary skills for hands on training at the customers own facility.

Electrical Wiring Interconnection Systems (EWIS) - Awareness

Target attendees

This course only concerns people working in the environment of Large A/C (MTOW>5.7 tons), in particular EASA or FAA Part 145 Maintenance Organisations, Airworthiness Management Organisations but also Technical & Commercial Flight Crews but to a very limited extend.

- Target Group 1: Qualified staff performing EWIS maintenance (B1, B2, Inspectors with Release Authorization)
- Target Group 2: Qualified staff performing maintenance inspections on EWIS (inspectors only)
- Target Group 3: Qualified staff performing electrical/avionic engineering on in-service aeroplane.
- Target Group 4: Qualified staff performing general maintenance/inspections not involving wire maintenance ; LRU change is not considered as wire maintenance (A & C qualified personnel who is not directly involved or directly release wiring maintenance tasks)
- Target Group 5: Qualified staff performing other engineering or planning work on in-service aeroplane (planning, logistics, engineers not concerned by electrical systems, etc.)
- Target Group 6: Other service staff with duties in proximity to electrical wiring interconnection systems (cleaning, ground handling, loading, etc.)
- Target Group 7: Flight Crew
- Target Group 8: Cabin Crew

Electrical Wiring Interconnection Systems (EWIS) - Awareness

Course content

- Background and context
- Overview of Certification Specification CS 25.1701 & CS 25 Appendix H)
- Overview of AMC 20-21 & 20-23
- Module A: General Electrical Wiring Interconnection System Practices
Objectives: Know the safe handling of aeroplane electrical systems, Line Replaceable Units (LRU), tooling, troubleshooting procedures and electrical measurement
- Module B: Wiring Practices Documentation
Objectives: Know the construction and navigation of the aeroplane wiring system overhaul or wiring practices manual
- Module C: Inspection
Objectives: Know different types of inspections, human factors in inspections, zonal areas and typical damages
- Module D: Housekeeping
Objectives: Know the contamination sources, materials, cleaning and protection procedures
- Module E: Wire
Objectives: Know the correct ID of different wire types, their inspection criteria and damages tolerance, repair and preventative maintenance
- Module F: Connective Devices
Objectives: Know the procedures to identify, inspect and find the correct repair for typical types of connective devices found on the aeroplane
- Module G: Connective Device Repair
Objectives: Demonstrate the procedures for replacement of all parts of the typical types of connective devices found on the A/C

Electrical Wiring Interconnection Systems (EWIS) - Awareness

Course duration

From 1/2 to 4 days

Target group	1	2	3	4	5	6	7&8
Duration (Day)	4	3	2	1	2	1	0'5
Module A	Full	Partial	Partial	Partial	Partial	Partial	Partial
Module B	Full	Full	Full	Partial	None	None	None
Module C	Full	Full	Partial	Partial	Full	Partial	Partial
Module D	Full	Partial	Partial	Full	Partial	Partial	Partial
Module E	Full	Full	Full	Partial	Partial	Partial	None
Module F	Full	Full	Full	None	None	None	None
Module G	Full	None	None	None	None	None	None
Practical	Full	None	None	None	None	None	None

Maintenance Organisation Approval (Part 145) - Awareness

Course description

This course will provide attendees with a basic understanding of EASA Part 145 requirements and their latest amendments.

One of the topics addressed in this course will be the required regulatory knowledge in terms of aircraft, engines and equipment maintenance.

By the end of the course, the trainees will have basic knowledge of the key components of European Aviation Safety Agency (EASA) Part 145. They will be able to: provide examples as to the 'know how' as well as the 'know what' by looking at a practical perspective of Part 145; implement Part 145 within an Organisation; understand the Interface between Part 145, Part 66 / Part 147 and EU-OPS; and provide a regulatory and industry perspective for staff involved in Part 145 maintenance.

Target attendees

- Maintenance Organisation Accountable Manager
- Line, Base & Workshops Maintenance Managers
- Quality Manager, Quality Lead Auditors
- Maintenance Certifying Staff

Course content

- Brief presentation of the Aviation Legislation and focus on European Basic Regulation (EC) N°216/208
- Presentation of (EC) N° 1321/2014, related to implemented rules for Continuing Airworthiness Organisations & Personnel involved including EASA PART M, Part 147 & Part 66 overview
- Detailed study of EASA Part 145 requirements applicable to Maintenance Organizations Approval
 - General
 - Requirements in terms of facilities, tools, materials and data, etc.
 - Certifying staff
 - Safety policy and Quality system
 - Privileges of the approved organization
 - Principles of supervision
- Focus on Certificate of Release to Service (CRS):
 - Privileges
 - Obligations
 - Responsibilities

Maintenance Organisation Approval (Part 145) - Awareness

Course content

- Maintenance Organisation Exposition (MOE)
- EASA Form 1 and similar documents:
 - Description of the document
 - Regulatory requirements
- Knowledge assessment

Course duration

2 days



#7

Safety Management

Safety Management System - Awareness

Course description

This course will provide attendees with a basic understanding on Risks Identification, Evaluation, Assessment and Mitigation.

This course has been developed in full compliance with ICAO Annex 19 and associated Standards and Recommended Practices (SARPs).

One of the topics addressed in this course will be the basic theoretical overview of the Safety Management concepts; this includes hazard identification, risk assessment, building appropriate risks control/barriers with an approach to Safety Culture, Safety Management and relevant effectiveness/performance indicators.

The courses will also briefly present the benefit of consolidating Safety & Quality Management Systems.

Target attendees

- Accountable Managers of Air Carriers, Maintenance, Engineering or Training activities
- All Flight Operations, Maintenance, Engineering and Training personnel contributing to the Safety System

Course content

- Regulatory Environment & ICAO references
- Introduction to Safety
- Hazard identification
- Risks Management
- Safety Management
- The main components of SMS:
 - Safety policy and objectives
 - Safety risk management
 - Safety assurance
 - Safety promotion
- Phased approach to SMS Implementation
- Safety versus Quality Management System

Course duration

3 days

Safety Management System - Maintenance & Engineering - Enhanced

Course description

This course will provide attendees with an in-depth theoretical and practical knowledge on Risks Identification, Evaluation, Assessment and Mitigation, within a Maintenance & Engineering Organisation (Line & Base).

This course has been developed in full compliance with ICAO Annex 19 and associated Standards and Recommended Practices (SARPs) with related guidance material.

One of the topics addressed in this course will be the benefit of consolidating Safety & Quality Management Systems.

By the end of the course, the trainees will be given a basic theoretical and practical overview of the Safety Management concepts; this includes the methods of hazard identification, risk assessment, methods for building appropriate risks control/barriers with an approach to Safety Culture, Safety Management and relevant effectiveness/performance indicators. Specific case studies applicable to Maintenance & Engineering activities will be conducted.

Target attendees

- Accountable Manager of Maintenance and/or Continuing Airworthiness Management Organization
- Maintenance Managers, CAMO Post Holders
- Safety Managers, Quality Managers, auditors

Course content

- Introduction to Safety:
 - Definitions
 - Hazard categories (Natural, Technical, Economical, Physiological)
 - Human Factors reminder
 - Errors
 - Violation
 - Indiscipline
 - Identifying causes of unsafe acts
 - Protective barriers
- Hazard identification:
 - Definitions
 - Understanding hazards
 - Hazard identification
 - Hazard identification activity & analysis
 - Documentation & Data tracking
- Risks Management:
 - Definition
 - Risk management
 - Risk probability
 - Risk severity
 - Risk tolerability
 - Risk mitigation
 - Assessment of defences

Safety Management System - Maintenance & Engineering - Enhanced

Course content

- Introduction to Safety Management:
 - Safety Culture
 - Safety investigation
 - Safety reporting
 - The building blocks of Safety Management
 - The responsibilities for Managing Safety
- ICAO references:
 - Provisions for Safety Management in ICAO Annexes
 - Annexe 19: Safety Management
 - Doc 9859: Safety Management Manual
- Mechanism of Accident:
 - Definition
 - Statistics
 - The accident mechanism
 - The Reason's Model
 - Case study
- Incident Investigation:
 - Principles
 - The causal tree
 - Identification Process
 - Case study
 - Incident Report template & instructions
 - Conclusion
- The main components of SMS
- Safety policy and objectives:
 - Management commitment and responsibility
 - Safety accountabilities of managers
 - Appointment of key safety personnel
 - Coordination of emergency response planning
 - Documentation
- Safety risk management:
 - Hazard identification processes
 - Risk assessment and mitigation processes
- Safety assurance:
 - Safety performance monitoring and measurement
 - The management of change
 - Continuous improvement of the SMS
- Safety promotion:
 - Training and education
 - Safety communication
- Safety versus Quality Management System

Safety Management System - Maintenance & Engineering - Enhanced

Course content

- Flight Safety Standards:
 - Identify major threats/risks applicable to Flight Operations
 - How to assess controls and defences against each identified threat for these Flight Operations
 - What evidence is required to validate the control and defence design and operating effectiveness
- Pre-Flight Risk Assessment:
 - Use of EHSIT/Flight Safety Foundation PFRA Check List
 - Live action simulation (real daily work)
 - Open discussion session
- Case Studies

Course duration

4 days

Safety Management System - Flight Operations - Enhanced

Course description

This course will provide attendees with a in-depth theoretical and practical knowledge on Risks Identification, Evaluation, Assessment and Mitigation, within a Flight Operations Environment.

This course has been developed in full compliance with ICAO Annex 19 and associated Standards and Recommended Practices (SARPs) with related guidance material.

One of the topics addressed in this course will be the benefit from consolidating Safety & Quality Management Systems.

By the end of the course, the trainees will be given a basic theoretical and practical overview of the Safety Management concepts; this includes the methods of hazard identification, risk assessment, methods for building appropriate risks control/barriers with an approach to Safety Culture, Safety Management and relevant.

Target attendees

- Any A.O.C (Air Operating Certificate) holder Accountable Managers
- Flight Operations Department Managers
- Chief Pilots
- Flight Safety Officers• Safety Manager, Quality Manager and associated auditors/investigators
- Maintenance & Engineering Managers, including CAMO Post Holderss

Safety Management System - Flight Operations - Enhanced

Course content

- Introduction to Safety:
 - Definitions
 - Hazard categories (Natural, Technical, Economical, Physiological)
 - Human Factors reminder
 - Errors
 - Violation
 - Indiscipline
 - Identifying causes of unsafe acts
 - Protective barriers
- Hazard identification:
 - Definitions
 - Understanding hazards
 - Hazard identification
 - Hazard identification activity & analysis
 - Documentation & Data tracking
- Risks Management:
 - Definition
 - Risk management
 - Risk probability
 - Risk severity
 - Risk tolerability
 - Risk mitigation
 - Assessment of defences
- Introduction to Safety Management:
 - Safety Culture
 - Safety investigation
 - Safety reporting
 - The building blocks of Safety Management
 - The responsibilities for Managing Safety
- ICAO references:
 - Provisions for Safety Management in ICAO Annexes
 - Annex 19: Safety Management
 - Doc 9859: Safety Management Manual
- Mechanism of Accident:
 - Definition
 - Statistics
 - The accident mechanism
 - The Reason's Model
 - Case study
- Incident Investigation:
 - Principles
 - The causal tree
 - Identification Process
 - Case study
 - Incident Report template & instructions
 - Conclusion

Safety Management System Enhanced - Flight Operations

Course content

- The main components of SMS
- Safety policy and objectives:
 - Management commitment and responsibility
 - Safety accountabilities of managers
 - Appointment of key safety personnel
 - Coordination of emergency response planning
 - Documentation
- Safety risk management:
 - Hazard identification processes
 - Risk assessment and mitigation processes
- Safety assurance:
 - Safety performance monitoring and measurement
 - The management of change
 - Continuous improvement of the SMS
- Safety promotion:
 - Training and education
 - Safety communication
- Phased approach to SMS Implementation:
 - Planning
 - Reactive Processes
 - Proactive & Predictive Processes
 - Operational Safety Assurance
- Safety versus Quality Management System
- Flight Safety Standards:
 - Identify major threats/risks applicable to Flight Operations
 - How to assess controls and defences against each identified threat for these Flight Operations
 - What evidence is required to validate the control and defence design and operating effectiveness
- Pre-Flight Risk Assessment:
 - Use of EHSIT/Flight Safety Foundation PFRA Check List
 - Live action simulation (real daily work)
 - Open discussion session
- Case Studies

Course duration

5 days

Contact:

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March, 2017. Photos by : H. Gousse, C. Abarr,
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