



EASA IT.147.0016

FLYON.AERO

AVIATION TRAINING CENTER

COURSE CATALOGUE

ABOUT US

We are the Aviation Training Center of Flyon Aero Srl.

Our mission is to deliver aviation training courses to our clients in the most flexible and affordable way, without sacrificing quality and being compliant to the latest EASA standards.

This catalogue's focus is to provide a general overview of the courses available in the following topics:

- Human Factors & Crew Resource Management
- EASA Regulations (DOA/POA/CAMO/145/AOC/...)
- Quality & Compliance Management
- Avionic Specialized Courses & MALE UAV
- Safety & Security courses

We are also approved EASA Part-147 for the delivery of Basic Training and Type Training in order to obtain the Aviation Maintenance License (AML).

To get further information or to enroll a course, you can contact us at:

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www.flyon.aero

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HOW TO READ THE COURSE CODE

Every course comes with a code, which purpose is to quickly define the main features and organize it inside the course catalogue.

The course code may be divided up to three parts:

001—C—I

- The **first part (001)** is the course index, and is always indicated as a number. Every course topic has an unique index to quickly identify the course. It also indicates its position on the courses catalogue for quick reference.
- The **second part (C)** is the course type, and it's indicated with a letter. There are only two course types:
 - Classroom courses, indicated with "C";
 - Online courses, indicated with "O".
- The **third part (I)** is the course variant, or course version. It is only included when the course has more than one variant, otherwise it will be omitted. Every course may have its own variant, though these are the most common one:
 - Initial training, indicated with "I";
 - Recurrent training, indicated with "R";
 - Advanced training, indicated with "A";
 - Familiarization training, indicated with "F".

#001-C-I

HUMAN FACTORS - 145.A.30(e) and AMC &GM - INITIAL

INTRODUCTION

The Human Factors course covers the issues that can involve individuals in their working environment. The goal is to identify strategies to reduce human error as much as possible.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority
- Member Staff
- Maintainer

DURATION
2 days

LANGUAGE
Italian / English

CONTENTS

- Introduction to EU 1321/2014 Part-145
- Introduction to "Human Factors"
- Safety culture /Organizational factors
- Human Error
- Human performances & limitations
- Environment
- Procedures, information, tools and practice
- Communication
- Teamwork
- Professionalism and integrity
- Organization's HF program

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#001-O-I

HUMAN FACTORS - 145.A.30(e) and AMC &GM - INITIAL ONLINE

INTRODUCTION

The Human Factors course covers the issues that can involve individuals in their working environment. The goal is to identify strategies to reduce human error as much as possible.

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority
- Member Staff
- Maintainer

CONTENTS

- Introduction to EU 1321/2014 Part-145
- Introduction to "Human Factors"
- Safety culture /Organizational factors
- Human Error
- Human performances & limitations
- Environment
- Procedures, information, tools and practice
- Communication
- Teamwork
- Professionalism and integrity
- Organization's HF program

COURSE TYPE
Online Course

DURATION
8 hours

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#001-C-R

HUMAN FACTORS - 145.A.30(e) and AMC &GM - RECURRENT

INTRODUCTION

The Human Factors course covers the issues that can involve individuals in their working environment. The goal is to identify strategies to reduce human error as much as possible.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority
- Member Staff
- Maintainer

DURATION
1 day

LANGUAGE
Italian / English

CONTENTS

- Introduction to "Human Factors"
- Safety culture/Organizational factors
- Human Error
- Human performances & limitations
- Environment
- Procedures, information, tools and practice
- Communication
- Teamwork
- Professionalism and integrity
- Organization's HF program

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#001-O-R

HUMAN FACTORS - 145.A.30(e) and AMC &GM - RECURRENT ONLINE

INTRODUCTION

The Human Factors course covers the issues that can involve individuals in their working environment. The goal is to identify strategies to reduce human error as much as possible.

COURSE TYPE
Online Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority
- Member Staff
- Maintainer

DURATION
6 hours

LANGUAGE
Italian / English

CONTENTS

- Introduction to "Human Factors"
- Safety culture/Organizational factors
- Human Error
- Human performances & limitations
- Environment
- Procedures, information, tools and practice
- Communication
- Teamwork
- Professionalism and integrity
- Organization's HF program

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#002-C-I

Crew Resource Management INITIAL

INTRODUCTION

Crew Resource Management is the effective utilisation of all available resources (e.g. crew members, aircraft systems, supporting facilities and persons) to achieve a safe and efficient operation. The goal is to enhance the communication and management skills of the flight crew member concerned.

CONTENTS

- Introduction to CRM
- Error
- SOPs
- Fitness & Health
- Stress
- Tiredness and Fatigue
- Information Processing
- Situational Awareness
- Workload Management
- Decision Making
- Communications
- Leadership and team behaviour
- Conflict
- Automation
- Level Busts
- CFIT
- Icing
- NOTECBS
- Runway incursions
- Surprise startle & resilience
- Culture
- Monitoring & intervention

COURSE TYPE
Classroom Course

DURATION
2 days

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#002-C-R

Crew Resource Management RECURRENT

INTRODUCTION

Crew Resource Management is the effective utilisation of all available resources (e.g. crew members, aircraft systems, supporting facilities and persons) to achieve a safe and efficient operation. The goal is to enhance the communication and management skills of the flight crew member concerned.

CONTENTS

- Introduction to CRM
- Error
- SOPs
- Fitness & Health
- Stress
- Tiredness and Fatigue
- Information Processing
- Situational Awareness
- Workload Management
- Decision Making
- Communications
- Leadership and team behaviour
- Conflict
- Automation
- Level Busts
- CFIT
- Icing
- NOTECHS
- Runway incursions
- Surprise startle & resilience
- Culture
- Monitoring & intervention

COURSE TYPE
Classroom Course

DURATION
1 day

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#003-C

EASA 2018/1139 Basic Regulation

INTRODUCTION

The course is about the EASA Regulation 2018/1139, also known as Basic Regulation.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority
- Member Staff
- Maintainer

DURATION
1 day

CONTENTS

- Principles
- Aviation safety management
- Substantive requirements
- Joint certification oversight and enforcement system
- The European union aviation safety agency
- Final provisions
- Annexes

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#003-O

EASA 2018/1139 Basic Regulation ONLINE

INTRODUCTION

The course is about the EASA Basic Regulation 2018/1139 and its amendments.

COURSE TYPE
Online Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority
- Member Staff
- Maintainer

DURATION
6 hours

CONTENTS

- Principles
- Aviation safety management
- Substantive requirements
- Joint certification oversight and enforcement system
- The European union aviation safety agency
- Final provisions
- Annexes

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#004-C-A

EASA 748/2012 Part-21 ADVANCED

INTRODUCTION

This course is about the EASA Regulation 748/2012 and its amendments for airworthiness and environmental certification. It will cover Annex I (Part-21).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maitainer

DURATION
5 days

CONTENTS

- General arrangement
- Certificates and restrictions
- Production Organization Approval
- Design organization Approval
- Parts and appliances
- Reparations
- European Technical Standard Order Authorizations
- Permit to fly
- Products, parts and appliances identification
- Competent authorities procedures

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#004-C-F

EASA 748/2012 Part-21 FAMILIARIZATION

INTRODUCTION

This course is about the EASA Regulation 748/2012 and its amendments for airworthiness and environmental certification. It will cover Annex I (Part-21).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
2 days

CONTENTS

- General arrangement
- Certificates and restrictions
- Production Organization Approval
- Design organization Approval
- Parts and appliances
- Reparations
- European Technical Standard Order Authorizations
- Permit to fly
- Products, parts and appliances identification
- Competent authorities procedures

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#004-C-P

EASA 748/2012 Part-21 Subpart F/G POA ADVANCED

INTRODUCTION

This course is about the EASA Regulation 748/2012 and its amendments for airworthiness and environmental certification. It will cover Annex I (Part-21), specifically the subpart F and G relative to POA (Production Organisation Approval).

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

CONTENTS

- Production without Production Organisation Approval
- Production Organization Approval

COURSE TYPE
Classroom Course

DURATION
2 days

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#005-C-A

EASA 1321/2014 Part-M ADVANCED

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex I (Part-M).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
2 days

CONTENTS

- Technical requirements
- Responsibility
- Continuing airworthiness
- Standard maintenance
- Components
- Maintenance organization
- Continuing Airworthiness Management
- Certificate of Release to service—CRS
- Airworthiness Review Certificate

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#005-C-F

EASA 1321/2014 Part-M FAMILIARIZATION

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex I (Part-M).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
1 day

CONTENTS

- Technical requirements
- Responsibility
- Continuing airworthiness
- Standard maintenance
- Components
- Maintenance organization
- Continuing Airworthiness Management
- Certificate of Release to service—CRS
- Airworthiness Review Certificate

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#005-O

EASA 1321/2014 Part-M FAMILIARIZATION ONLINE

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex I (Part-M).

COURSE TYPE
Online Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
3 hours

CONTENTS

- Technical requirements
- Responsibility
- Continuing airworthiness
- Standard maintenance
- Components
- Maintenance organization
- Continuing Airworthiness Management
- Certificate of Release to service—CRS
- Airworthiness Review Certificate

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#006-C-A

EASA 1321/2014 Part-145 ADVANCED

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex II (Part-145).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
2 days

CONTENTS

- Areas of applications
- Application
- Approval condition
- Infrastructures requirements
- Personnel requirements
- Certifying staff and support staff
- Equipment, tools and materials
- Member eligibility
- Maintenance data
- Production planning
- Maintenance certifications
- Maintenance notes
- Events report
- Security and quality policy, maintenance procedures and quality system
- Maintenance organization
- Organization privileges
- Organization limitations
- Organization changes
- Continuing validity

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#006-C-F

EASA 1321/2014 Part-145 FAMILIARIZATION

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex II (Part-145).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
1 day

CONTENTS

- Areas of applications
- Application
- Approval condition
- Infrastructures requirements
- Personnel requirements
- Certifying staff and support staff
- Equipment, tools and materials
- Member eligibility
- Maintenance data
- Production planning
- Maintenance certifications
- Maintenance notes
- Events report
- Security and quality policy, maintenance procedures and quality system
- Maintenance organization
- Organization privileges
- Organization limitations
- Organization changes
- Continuing validity

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#006-O

EASA 1321/2014 Part-145 FAMILIARIZATION ONLINE

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex II (Part-145).

COURSE TYPE
Online Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
3 hours

CONTENTS

- Areas of applications
- Application
- Approval condition
- Infrastructures requirements
- Personnel requirements
- Certifying staff and support staff
- Equipment, tools and materials
- Member eligibility
- Maintenance data
- Production planning
- Maintenance certifications
- Maintenance notes
- Events report
- Security and quality policy, maintenance procedures and quality system
- Maintenance organization
- Organization privileges
- Organization limitations
- Organization changes
- Continuing validity

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#007-C

EASA 1321/2014 Part-66

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex III (Part-66).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
1 day

CONTENTS

- Technical requirements
- Procedures for competent authority
- Issue of an aircraft maintenance license
- Examinations
- Conversion of certifying staff qualifications
- Examination credits
- Continuing oversight

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#007-O

EASA 1321/2014 Part-66 ONLINE

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex III (Part-66).

COURSE TYPE
Online Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
1 hour

CONTENTS

- Technical requirements
- Procedures for competent authority
- Issue of an aircraft maintenance license
- Examinations
- Conversion of certifying staff qualifications
- Examination credits
- Continuing oversight

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#008-C

EASA 1321/2014 Part-147

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex IV (Part-147).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
1 day

CONTENTS

- Technical requirements
 - Organisational Requirements
 - Approved Basic Training Course
 - Aircraft Type/Task Training
- Procedures for Competent Authorities
 - Issue of an Approval
- Revocation, suspension and limitation of the maintenance training organisation approval

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#008-O

EASA 1321/2014 Part-147 ONLINE

INTRODUCTION

This course is about the EASA Regulation 1321/2014 and its amendments for continuing airworthiness. It will cover Annex IV (Part-147).

COURSE TYPE
Online Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
1 hour

CONTENTS

- Technical requirements
 - Organisational Requirements
 - Approved Basic Training Course
 - Aircraft Type/Task Training
- Procedures for Competent Authorities
 - Issue of an Approval
- Revocation, suspension and limitation of the maintenance training organisation approval

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#009-C-A

Regulation (EU) 1178/2011 Air Crew - ADVANCED

INTRODUCTION

This course is about the EASA Regulation 1178/2011 and its amendments for aircrew.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Members Staff

DURATION
2 days

CONTENTS

- Introduction to Regulation 2018/1139
- Regulation (EU) 1178/2011 Air Crew (as amended)
 - Definitions
 - Annex I
 - Annex II
 - Annex III
 - Annex IV
- Regulation (EU) 290/2012
 - Part-CC
 - Part-ARA
 - Part-ORA
 - Approved Training Organisations (ATO)
- Regulation (EU) 71/2014

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#009-C-F

Regulation (EU) 1178/2011 Air Crew - FAMILIARIZATION

INTRODUCTION

This course is about the EASA Regulation 1178/2011 and its amendments for aircrew.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Members Staff

DURATION
1 day

CONTENTS

- Regulation (EU) 1178/2011 Air Crew (as amended)
 - Definitions
 - Annex I
 - Annex II
 - Annex III
 - Annex IV
- Regulation (EU) 290/2012
 - Part-CC
 - Part-ARA
 - Part-ORA
 - Approved Training Organisations (ATO)
- Regulation (EU) 71/2014

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#009-O

Regulation (EU) 1178/2011 Air Crew - ONLINE

INTRODUCTION

This course is about the EASA Regulation 1178/2011 and its amendments for aircrew.

COURSE TYPE
Online Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Members Staff

DURATION
1 hour

CONTENTS

- Regulation (EU) 1178/2011 Air Crew (as amended)
 - Definitions
 - Annex I
 - Annex II
 - Annex III
 - Annex IV
- Regulation (EU) 290/2012
 - Part-CC
 - Part-ARA
 - Part-ORA
 - Approved Training Organisations (ATO)
- Regulation (EU) 71/2014

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#010-C-A

Regulation (EU) 965/2012 Air Operations - ADVANCED

INTRODUCTION

This course is about the EASA Regulation 965/2012 and its amendments for air operations.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Operators and pilots who need an introduction to Regulation Air Operations
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Personnel

DURATION
2 days

CONTENTS

- General overview of the European aviation regulation
- Introduction to European Aviation Safety Agency (EASA/Agency)
- Introduction to Regulation 2018/1139
- EASA Air Operations - Structure
- EASA Air Operations - General overview of the Annexes (Parts)
- Regulation (EU) 965/2012 Air Operations (as amended)
- Easy Access to Air Operations
- Definitions
- Part-ORO: Organisation Requirements Operations
- Part-CAT: Commercial Air Transport Operations
- Part-SPA: Specific Approvals
- Non-Commercial Complex Operations (NCC)
- Non-Commercial Other Operations (NCO)
- Specialized Operations (SPO)

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#010-C-F

Regulation (EU) 965/2012 Air Operations - FAMILIARIZATION

INTRODUCTION

This course is about the EASA Regulation 965/2012 and its amendments for air operations.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Operators and pilots who need an introduction to Regulation Air Operations
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Members Staff

DURATION
1 day

CONTENTS

- Introduction to Regulation 2018/1139
- Regulation (EU) 965/2012 Air Operations (as amended)
- Definitions
- Part-ORO: Organisation Requirements Operations
- Part-CAT: Commercial Air Transport Operations
- Part-SPA: Specific Approvals
- Non-Commercial Complex Operations (NCC)
- Non-Commercial Other Operations (NCO)
- Specialized Operations (SPO)

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#010-O

Regulation (EU) 965/2012 Air Operations - ONLINE

INTRODUCTION

This course is about the EASA Regulation 965/2012 and its amendments for air operations.

COURSE TYPE
Online Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Members Staff

DURATION
1 hour

CONTENTS

- Introduction to Regulation 2018/1139
- Regulation (EU) 965/2012 Air Operations (as amended)
- Definitions
- Part-ORO: Organisation Requirements Operations
- Part-CAT: Commercial Air Transport Operations
- Part-SPA: Specific Approvals
- Non-Commercial Complex Operations (NCC)
- Non-Commercial Other Operations (NCO)
- Specialized Operations (SPO)

LANGUAGE
Italian / English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#011-C-A

Safety Management System ADVANCED

INTRODUCTION

This course is specifically designed to give a basic understanding of the elements and functions involved in a compliant ICAO Safety Management System (SMS) and EASA Management System (SM).

SUITABLE FOR

- Accountable Managers for Approved Training Organisations, Air Operators, Aerodromes, ATC Services
- Safety Management Staff
- Certifying Staff
- Quality Staff
- Flight Operations Staff
- Competent Authority Personnel
- Military Safety Personnel

CONTENTS

- SMS Introduction
 - ◊ ICAO Annex 19 Safety Management System
 - ◊ ICAO Doc 9859 AN/474—Safety Management Manual
 - ◊ ICAO Annex 6 Part III Appendix 4—Framework for Safety management System—and Attachment F—Flight safety document system
 - ◊ State Safety Programme (SSP and Safety Management System)
- EASA Regulatory Requirements
- Safety & Compliance Management techniques required in ORO and ORA.GEN.200
- ICAO Four Pillars /Components
- Basic safety concepts
- Introduction to safety management
- Hazards
- Risk Management and Risk assessment
- SMS planning
- SMS operations
- Management of Change (MoC)
- Gas analysis
- Phased approach to SMS Implementation

COURSE TYPE
Classroom Course

DURATION
2 days

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#011-C-F

Safety Management System FAMILIARIZATION

INTRODUCTION

This course is specifically designed to give a basic understanding of the elements and functions involved in a compliant ICAO Safety Management System (SMS) and EASA Management System (SM).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers for Operations, Approved Training Organisations, Air Operators, Aerodromes, ATC Services
- Safety Management Staff
- Certifying Staff
- Quality Staff
- Competent Authority Personnel
- Military Safety Personnel

DURATION
1 day

CONTENTS

- SMS Introduction
 - ◊ ICAO Annex 19 Safety Management System
 - ◊ ICAO Doc 9859 AN/474—Safety Management Manual
 - ◊ State Safety Programme (SSP and Safety Management System)
- EASA Regulatory Requirements
- ICAO Four Pillars /Components
- Basic safety concepts
- Introduction to safety management
- Hazards
- Risk definition and Risk assessment
- Management of Change (MoC)
- Gas analysis

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#011-O

Safety Management System ONLINE (Entry Level)

INTRODUCTION

This course is specifically designed to give a basic understanding of the elements and functions involved in a compliant ICAO Safety Management System (SMS) and EASA Management System (SM).

COURSE TYPE
Online Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Staff
- Competent Authority
- Member Staff

DURATION
1 hour

CONTENTS

- International Civil Aviation Organization (ICAO)
- Standards And Recommended Practices (SARPs)
- Safety management SARPs
- ICAO works
- The ICAO Annexes
- ICAO Safety Management System
- Why a New Annex?
- Transfer of common SSP/SMS elements from the existing ICAO Annexes
- ICAO Annex 19 – Contents
- Status of Annex components
- What is new in Annex 19,1st edition ?
- SSP/SMS Components
- ICAO Safety Management Manual (SMM)
- EASA - Safety Management System (SMS)
- Safety Management at the EU level
- What are Keywords in Aviation Safety Management Systems?

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#012-C

Regulation (EU) 376/2014 - Occurrence Reporting, Analysis and Follow-up

INTRODUCTION

This course is about the EASA Regulation 376/2014 and its amendments for occurrence reporting.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Staff
- Competent Authority
- Member Staff

DURATION
1 day

CONTENTS

- Regulation (EU) 2018/1139 overview Legal Bases of:
- Regulation (EU) 376/2014
- Regulation (EU) 996/2010
- Commission Implementing Regulation (EU) 2015/1018
- Legislative Decree No 18 of 14 January 2013

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#013-C

Root Cause Analysis

ENAC NAV-75

INTRODUCTION

This course is based on the airworthiness circular of the Italian Civil Aviation Authority (ENAC NAV 75) about root cause analysis.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority Member Staff
- Maintainer

DURATION
1 day

CONTENTS

- NAV 75
- Aircraft Continuing Airworthiness Monitoring

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#014-C

Flight Test Principles and Practices

INTRODUCTION

This course introduces and defines the basic flight test process, application of engineering principles to flight tests and describes the common flight test practices.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority Member Staff
- Maintainer

DURATION
3 days

LANGUAGE
Italian / English

CONTENTS

- Performance estimation
- Instrumentation
- Load survey
- Special Testing Problems
- External equipment installation and their impact on performance
- Avionics installation
- Flight Test Planning and Implementation

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#015-C

Airworthiness Review Staff Part-M Subpart I & M.A.706(i)

INTRODUCTION

This course gives a practical application of the requirement to develop the required processes and procedures for a Part-M G&I organization.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority Member Staff
- Maintainer

DURATION
1 day

CONTENTS

- Airworthiness Review
- Validity of the Airworthiness Review Certificate
- Transfer of aircraft registration within the EU
- Airworthiness review of aircraft imported into the EU

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#016-C

Quality and Compliance Monitoring Management

INTRODUCTION

This course is about how to identify under-performing processes and systemic failures and unlock the potential for system improvements and reduce exposure to corporate risks.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority Member Staff

DURATION
2 days

CONTENTS

- Quality Management principles
- Management and control
- Quality Manager & Compliance Monitoring manager (Rif. M.706, M.712, 145.A.30, ORO.GEN.200)
- Gurus
- Building Quality & Compliance Monitoring Management System (QMS)
- Quality standards
- ISO
- Processes
- Measurement
- Audit ISO 9001
- The price of quality
- Quality, safety and environment integration
- Documents
- Quality areas
- Development
- Terminology

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#017-C

Train The Trainer

INTRODUCTION

The course is about how to become a qualified trainer, covering methods of planning, evaluation, use of material such slides, images, videos and documents and overcome of difficult situations.

SUITABLE FOR

- Lecturers

CONTENTS

- Training Techniques for teaching material preparation
- Training techniques for class participation preparation
- Training techniques for class management
- Training techniques for technical support use
- Training techniques for intermediate and final evaluation

COURSE TYPE
Classroom Course

DURATION
4 Hours

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#017-O

Train The Trainer BOOK ONLINE

INTRODUCTION

The course is about how to become a qualified trainer, covering methods of planning, evaluation, use of material such slides, images, videos and documents and overcome of difficult situations.

SUITABLE FOR

- Lecturers

CONTENTS

- Training Techniques for teaching material preparation
- Training techniques for class participation preparation
- Training techniques for class management
- Training techniques for technical support use
- Training techniques for intermediate and final evaluation

COURSE TYPE
Online Course

DURATION
1 Hour

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#018-C

Project Management

INTRODUCTION

This course is designed for people who want to maximize their time and increase their return on investment. This course gives the essential tools a person needs to deliver successful projects on time, on budget and in scope.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority
- Members Staff

DURATION
2 days

LANGUAGE
Italian / English

CONTENTS

- Introduction
- Project life and organization
- Project management knowledge areas
- Project management methods
- Microsoft Project

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#018-O

Project Management ONLINE

INTRODUCTION

This course is designed for people who want to maximize their time and increase their return on investment. This course gives the essential tools a person needs to deliver successful projects on time, on budget and in scope.

SUITABLE FOR

- Accountable Managers
- Management Personnel
- Certifying Staff
- Quality Personnel
- Competent Authority
- Members Staff

CONTENTS

- Introduction
- Project life and organization
- Project management knowledge areas
- Project management methods
- Microsoft Project

COURSE TYPE
Online Course

DURATION
12 hours

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#019-C

Introduction to Systems Engineering

INTRODUCTION

The course presents the fundamentals of systems engineering and is structured to provide an overview of the systems engineering practices.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
3 days

CONTENTS

- Introduction
- Systems Engineering Process
- The systems Engineering in the System Development Cycle
- Systems Engineering—Methods and tools
- Systems Engineering Program Planning, Organization and Management

LANGUAGE
Italian / English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#020-C

Advanced Avionics System Design

INTRODUCTION

This course provides a comprehensive presentation of the process, methods and techniques for the system design of state of the art avionic systems.

COURSE TYPE
Classroom Course

CONTENTS

- Basic Systems Engineering concepts
- Operational and Mission Requirements
- Avionics Systems Architectures
- Functional partitioning, computing and internal communications
- Integrated Modular Avionics (IMA)
- Safety and mission critical functions
- Typical avionics subsystems and equipment
- Software architectures and design process
- Redundancy management techniques and challenges
- Fault tolerant design
- Human factors/flight desk design: automation, function allocation trades, design guidelines, modern examples
- Avionics Systems design process
- Avionics System development methods and tools
- Quality and Safety aspects
- Qualification and certification requirements
- Certification guidelines/process, software criticality, Fault Hazard Analysis (FHA), Failure Modes and Effects Analysis (FMEA)

DURATION
3 days theoretical
3 days practical/
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#021-C

Flight Instruments Design

INTRODUCTION

This course is part of the avionic courses program and is about the flight instruments design.

COURSE TYPE
Classroom Course

CONTENTS

- History and evolution of Flight Instruments
- Cockpit Design and Human Factors
- Overview of Traditional Flight Instruments
- Electronic Flight Instruments, Glass Cockpit
- Cockpit design and layout
- Aircraft warnings and alerts
- Redundancy management and Reversionary Flight Instruments
- Visual Flight Rules (VFR) and Instrument Flight Rules (IFR)
- Certification Requirements
- Introduction to GCS HMI

DURATION
2 days theoretical
2 days practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#022-C

Advanced Communication System Installation

INTRODUCTION

This course is part of the avionic courses program and is about the advanced communication system installation.

COURSE TYPE
Classroom Course

CONTENTS

- History, Basic Radio Principles, Frequency Bands, Transmitters, Receivers, Antennas
- Overview of Airborne Communications Systems and Equipment
- Installation of Communication Equipment
- Reducing Radio Interference
- Post installation ground testing of Communications Equipment
- Antennas installation and testing
- Communications flight testing
- Certification Requirements
- Specific requirements for RPAS Communications

DURATION
2 days theoretical
1 day practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#023-C

Avionics Integration

INTRODUCTION

This course provides a comprehensive overview to the process, methods, techniques and tools for the avionic systems integration.

COURSE TYPE
Classroom Course

CONTENTS

- A preliminary overview of the Avionic System Development Cycle
- A general description of the typical avionics architectures
- A detailed analysis of the avionic system integration process, including the integration approach and the activities to be performed during the entire system integration cycle, from the initial bench testing to the operational validation, including the integration on the aircraft and the ground and flight testing
- A detailed description of the methods and tools that are currently used for the avionics integration. This also includes modern modeling and simulation techniques
- Quality and safety aspects.

DURATION
3 days theoretical
3 days practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#024-C

Avionics Installation Design

INTRODUCTION

This course is designed to provide the student with basic skills and knowledge to design, develop, plan and perform the mechanical and electrical installation of a typical avionics suite.

COURSE TYPE
Classroom Course

CONTENTS

- Installation planning
 - Manuals and Diagrams
 - Installation Drawings
 - Connectors and Pin Numbers
- Installation considerations, procedures, methods, and techniques
- Manufacturer's Instructions
- Certification Requirements
- Equipment Location
 - Environmental Requirements
 - Cooling
- Antennas Location
- Mounting Avionics
- ARINC MCU case sizes
 - ATR case sizes
 - Locking Systems
 - Antennas Installation
- Electrical Interface
 - Connectors
 - Wiring
- New Installations

DURATION
2 days theoretical/
2 days practical/
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#025-C

GCS System Design & Installation

INTRODUCTION

This course is part of the avionic courses program and is about the Ground Control Station System design and installation.

COURSE TYPE
Classroom Course

CONTENTS

- RPAS Operational and Functional Requirements
- RPAS Systems Architecture
- Ground Control Station (GCS) Operational and Functional Requirements
 - Air Vehicle Control
 - Payload Control
 - Mission Planning
 - System Diagnostics
 - Operators Training
 - Post Flight Analysis
 - Interoperability
 - Human Factors
- GCS Systems Architecture

DURATION
3 days theoretical
3 days practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#026-C

Electromagnetic Compatibility (EMC)

INTRODUCTION

This course is part of the avionic courses program and is about the electromagnetic compatibility (EMC).

COURSE TYPE
Classroom Course

CONTENTS

- Terminology
- Fundamentals of Electromagnetic Compatibility
 - Emissions/Compatibility
 - Immunity/Susceptibility
- Approaches for Electromagnetic Compatibility
 - Overview of MIL-STD-461F – an equipment level interface standard
 - Overview of MIL-STD-464C – a system level interface standard
 - Overview of MIL-STD-704 – a platform power quality standard
 - RTCA/DO-160E/F
- Equipment circuit design
- System installation design
- Aircraft arrangement and structure design
- Bonding and grounding
- Antenna to antenna coupling analysis
- Antenna placement considerations
- Aircraft EMC Regulatory Requirements
- EMC/EMI tests for Aerospace
 - Aircraft EMC Verification
 - Aircraft tests
 - System and equipment qualification
- EMC/HIRF effects on aircraft
- Lightning effects on aircraft
- HIRF/EMC test methods

DURATION
4 days theoretical
2 days practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#027-C

Electrical Power Generation and Distribution

INTRODUCTION

This course is part of the aviation courses program and is about the electrical power generation and distribution.

COURSE TYPE
Classroom Course

CONTENTS

- Aircraft Electrical Power Sources
- Aircraft Primary Power Sources
- Aircraft Secondary Power Sources
- Emergency/Backup Power Sources
- AC Power Generation
- DC Power Generation
- Battery Installation and Operation
- Controls and Regulation
- Power Distribution
- Circuit Protection
- External and Ground Power
- Load Analysis

DURATION
2 days theoretical
2 days practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#028-C

Electrical Wiring Interconnect System - EWIS

INTRODUCTION

This course is part of the avionic courses program and is about the electrical wiring interconnect system (EWIS)

COURSE TYPE
Classroom Course

CONTENTS

- General Electrical Wiring Interconnection System Practices
- Wiring Practices Documentation
- Inspection
- Housekeeping
- Wire
- Connective Devices

DURATION
2 days theoretical
1 day practical /
exercises

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#029-C

U.A.V. System Reliability and Safety Engineering

INTRODUCTION

This course presents the fundamentals of systems engineering and is structured to provide an overview of the systems engineering practices. It explains the system engineering process across the entire system life cycle and analyse all the critical activities and responsibilities of the systems engineers during the system development phases, from the definition of the operational requirements to the system verification and validation activities.

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Competent Authority Members Staff
- Maintainer

CONTENTS

- Introduction to Systems Engineering applied to Mission Systems
- Systems Engineering applied to U.A.V.
- Reliability and Security
- Workshop and practical exercises

COURSE TYPE
Classroom Course

DURATION
3 days

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#030-C

Failure Mode Analysis (FMA)

INTRODUCTION

This course is about the process of reviewing as many components, assemblies and subsystems as possible to identify potential failure modes in a system and their causes and effect.

INTERESTED?

Please contact us and we will gladly present you a course training program dedicated to your needs.

COURSE TYPE
Classroom Course

DURATION
3 days

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#031-C

System Safety Analysis (SSA)

INTRODUCTION

This course is about the procedures to perform a system safety analysis (SSA).

CONTENTS

- Introduction
 - ◇ System Safety Concepts
 - ◇ Safety Assessment Process
- ARP4761
 - ◇ Safety Assessment Process
 - Safety Assessment Overview
 - Functional Hazard Assessment
 - System Safety Assessment
 - Verification Means Used for Aircraft Certification
 - ◇ Safety Assessment Analysis Methods
- 23.1309-LE
- MIL-STD-882E
- AMC RPAS.1309
- Safety Assessment Analysis Methods
 - ◇ Fault tree Analysis/Dependence Diagram/ Marlow Analysis (FTA/DD/MA)
 - ◇ Failure Modes and Effects Analysis (FMEA)
 - ◇ Failure Modes and Effects Summary (FMES)
 - ◇ Common Cause Analysis (CCA)
 - Zonal Safety Analysis (ZSA)
 - Particular Risks Analysis (ZSA)
 - Common Mode Analysis (CMA)
- Practical & Exercises

COURSE TYPE
Classroom Course

DURATION
3 days

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#032-C

Safety Management System DOA Designer

INTRODUCTION

This course is about the embodiment of safety management system (SMS) requirements into Part-145 and Part 21.

INTERESTED?

Please contact us and we will gladly present you a course training program dedicated to your needs.

COURSE TYPE
Classroom Course

DURATION
3 days

LANGUAGE
Italian / English

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#033-C

EASA 748/2012 CS-23

INTRODUCTION

This course is about the EASA Regulation 748/2012 and its amendments for airworthiness and environmental certification. Specifically, it details the applicable rules on normal-category airplanes (CS-23).

CONTENTS

- ED Decision 2017/013/R
- Explanatory Note to Decision 2017/013/R
- CS-23 Introduction
- CS-23 Amendment 5

COURSE TYPE
Classroom Course

DURATION
3 days

LANGUAGE
English/Italian

FINAL EXAM
Yes (option)

CERTIFICATE
FlyOn.Aero
Certificate

#034-C

EASA Regulation Initial Training

INTRODUCTION

This course gives a general introduction to the EASA Regulation and its structure.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Interested participants for a first approach to Regulation
- Regulation recurrent training

DURATION
up to 2 days

CONTENTS

- EASA Basic Regulation 2018/1139
- Initial Airworthiness
- Continuing Airworthiness
- Air Crew
- Air Operations

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#034-O

EASA Regulation Initial Training ONLINE

INTRODUCTION

This course gives a general introduction to the EASA Regulation and its structure.

COURSE TYPE
online Course

SUITABLE FOR

- Interested participants for a first approach to Regulation
- Regulation recurrent training

DURATION
6-12 hours

CONTENTS

- EASA Basic Regulation 2018/1139
- Initial Airworthiness
- Continuing Airworthiness
- Air Crew
- Air Operations

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#035-C

EMAR Regulation Initial Training

INTRODUCTION

This course gives a general introduction to the EMAR Regulation and its structure.

COURSE TYPE
Classroom Course

SUITABLE FOR

- Interested participants for a first approach to Regulation
- Regulation recurrent training

DURATION
up 2 days

CONTENTS

- EMAR organization overview
- EMAR INITIAL AIRWORTHINESS
 - EMAR 21
 - DOA Subpart J
 - POA Subpart F
 - POA Subpart G
- CONTINUING AIRWORTHINESS
 - EMAR-M (Continuing Airworthiness management organization)
 - EMAR-145 (Approved Maintenance Organization)
 - EMAR-66 (Licence AML)
 - EMAR-147 (Maintenance Training Organization Approved)

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#035-O

EMAR Regulation Initial Training ONLINE

INTRODUCTION

This course gives a general introduction to the EMAR Regulation and its structure.

COURSE TYPE
Online Course

SUITABLE FOR

- Interested participants for a first approach to Regulation
- Regulation recurrent training

DURATION
6-12 hours

CONTENTS

- EMAR organization overview
- EMAR INITIAL AIRWORTHINESS
 - EMAR 21
 - DOA Subpart J
 - POA Subpart F
 - POA Subpart G
- CONTINUING AIRWORTHINESS
 - EMAR-M (Continuing Airworthiness management organization)
 - EMAR-145 (Approved Maintenance Organization)
 - EMAR-66 (Licence AML)
 - EMAR-147 (Maintenance Training Organization Approved)

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#036-C

EMAR 21

INTRODUCTION

This course is about the EMAR Regulation based on EASA 748/2012 and its amendments for airworthiness and environmental certification. It will cover Annex I (Part-21).

COURSE TYPE
Classroom Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Maintainer
- Quality Personnel

DURATION
up to 2 days

CONTENTS

- General Provisions
- Military Type Certificates and military restricted type certificates
- Military Production organisation approval
- Military certificates and restricted certificates of airworthiness
- Military design organisation approval
- Parts & Appliances
- Reparations
- Military technical standard order authorisations
- Military permit to fly
- Identification of products, parts & Appliances

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#036-O

EMAR 21 - ONLINE

INTRODUCTION

This course is about the EMAR Regulation based on EASA 748/2012 and its amendments for airworthiness and environmental certification. It will cover Annex I (Part-21).

COURSE TYPE
Online Course

SUITABLE FOR

- Certifying Staff
- Technicians
- Maintainer
- Quality Personnel

DURATION
4 hours

CONTENTS

- General Provisions
- Military Type Certificates and military restricted type certificates
- Military Production organisation approval
- Military certificates and restricted certificates of airworthiness
- Military design organisation approval
- Parts & Appliances
- Reparations
- Military technical standard order authorisations
- Military permit to fly
- Identification of products, parts & Appliances

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#037-C

EMAR 145

INTRODUCTION

This course is about the EMAR Regulation based on EASA 1321/2014 and its amendments for continuing airworthiness. It will cover annex II (Part-145).

COURSE TYPE
Classroom course

SUITABLE FOR

- Accountable Manager
- Certifying Staff
- Technicians
- Maintainer

DURATION
up to 2 days

CONTENTS

- Technical requirements
- Facility requirements
- Personnel requirements
- Certifying Staff & Support Staff
- Equipment, tools and materials
- Acceptance components
- Maintenance data & planning
- Certification of maintenance
- Maintenance organisation exposition
- Continued validity of approval

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#037-O

EMAR 145 - ONLINE

INTRODUCTION

This course is about the EMAR Regulation based on EASA 1321/2014 and its amendments for continuing airworthiness. It will cover annex II (Part-145).

COURSE TYPE
Online course

SUITABLE FOR

- Accountable Manager
- Certifying Staff
- Technicians
- Maintainer

DURATION
2 hours 30 minutes

CONTENTS

- Technical requirements
- Technical requirements
- Facility requirements
- Personnel requirements
- Certifying Staff & Support Staff
- Equipment, tools and materials
- Acceptance components
- Maintenance data & planning
- Certification of maintenance
- Maintenance organisation exposition
- Continued validity of approval

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#038-C

EMAR M

INTRODUCTION

This course is about the EMAR Regulation based on EASA 1321/2014 and its amendments for continuing airworthiness. It will cover annex I (Part-M).

COURSE TYPE
Classroom course

SUITABLE FOR

- Accountable Manager
- Continuing Airworthiness Manager
- Technicians
- Quality Manager

DURATION
up to 2 days

CONTENTS

- Technical requirements
- Facility requirements
- Personnel requirements
- Certifying Staff & Support Staff
- Equipment, tools and materials

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#038-O

EMAR M - ONLINE

INTRODUCTION

This course is about the EMAR Regulation based on EASA 1321/2014 and its amendments for continuing airworthiness. It will cover annex I (Part-M).

COURSE TYPE
Online course

SUITABLE FOR

- Accountable Manager
- Certifying airworthiness manager
- Technicians
- Quality Manager

DURATION
2 hours

CONTENTS

- Technical requirements
- Facility requirements
- Personnel requirements
- Certifying Staff & Support Staff
- Equipment, tools and materials

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#039-C

EMAR 66/147

INTRODUCTION

This course is about the EMAR Regulation based on EASA 1321/2014 and its amendments for continuing airworthiness. It will cover annex III and IV (Part-66 and Part-147).

COURSE TYPE
Classroom course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
up to 2 days

CONTENTS

- Part-66
 - ◇ Technical requirements
 - ◇ Military Aircraft Maintenance License (MAML)
 - ◇ Validity of MAML
- Part -147
 - ◇ Technical requirements
 - ◇ Organisational requirements
 - ◇ Approved Basic Training Course
 - ◇ Aircraft type/task training
 - ◇ Procedures for Competent Authority
 - ◇ Issue of an Approval
 - ◇ Maintenance Training Organisation Exposition
 - ◇ Revocation, suspension and limitation of the maintenance training organisation approval

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#039-O

EMAR 66/147 - ONLINE

INTRODUCTION

This course is about the EMAR Regulation based on EASA 1321/2014 and its amendments for continuing airworthiness. It will cover annex III and IV (Part-66 and Part-147).

COURSE TYPE
Online course

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

DURATION
2 hours

CONTENTS

- Part-66
 - ◇ Technical requirements
 - ◇ Military Aircraft Maintenance License (MAML)
 - ◇ Validity of MAML
- Part -147
 - ◇ Technical requirements
 - ◇ Organisational requirements
 - ◇ Approved Basic Training Course
 - ◇ Aircraft type/task training
 - ◇ Procedures for Competent Authority
 - ◇ Issue of an Approval
 - ◇ Maintenance Training Organisation Exposition
 - ◇ Revocation, suspension and limitation of the maintenance training organisation approval

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#040-C-I

Safety Training (Including Human Factor) CAMO.A.305(g) and AMC & GM - INITIAL

INTRODUCTION

Safety and Human Factors covers a range of issues including the perceptual, physical and mental capabilities, the interaction and effects on individuals of their job and working environments. Objectives: understanding and identify the nature of Human Error; Reduce human error working under the stress and fatigue; Identify strategies for reducing Human Error; Adopt a non-punitive policy toward human error (not violations); Identify threats of repetitive tasks before they become errors, empowering the Visual inspection; control and implement correct communication within and between teams; Hazard identification; Mitigation and management of risk; Safety culture.

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

CONTENTS

- Introduction to EU 1321/2014 Part-CAMO
- Introduction to "Human Factors"
- Safety Culture / Organizational factors
- Safety Management system
- Human Error
- Human performances & limitations
- Environment
- Procedures, information, tools and practice
- Communication
- Teamwork
- Professionalism and integrity
- Organization's HF program

COURSE TYPE
Classroom course

DURATION
1 day

LANGUAGE
English/Italian

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#040-O

Safety Training (Including Human Factor) CAMO.A.305(g) and AMC & GM - ONLINE

INTRODUCTION

Safety and Human Factors covers a range of issues including the perceptual, physical and mental capabilities, the interaction and effects on individuals of their job and working environments. Objectives: understanding and identify the nature of Human Error; Reduce human error working under the stress and fatigue; Identify strategies for reducing Human Error; Adopt a non-punitive policy toward human error (not violations); Identify threats of repetitive tasks before they become errors, empowering the Visual inspection; control and implement correct communication within and between teams; Hazard identification; Mitigation and management of risk; Safety culture.

SUITABLE FOR

- Certifying Staff
- Technicians
- Quality Personnel
- Maintainer

CONTENTS

- Introduction to EU 1321/2014 Part-CAMO
- Introduction to "Human Factors"
- Safety Culture / Organizational factors
- Safety Management system
- Human Error
- Human performances & limitations
- Environment
- Procedures, information, tools and practice
- Communication
- Teamwork
- Professionalism and integrity
- Organization's HF program

COURSE TYPE
Online course

DURATION
1 day

LANGUAGE
English

FINAL EXAM
No

CERTIFICATE
FlyOn.Aero
Certificate

#100-C

Airbus Helicopters AS350 Series FAMILIARIZATION (not approved 147)

INTRODUCTION

This familiarization course (different from the certified part-147 course) is dedicated to who needs or decides to familiarize with the AS350 helicopter. It will go through all the main aspects of the aircraft.

COURSE TYPE
classroom Course

SUITABLE FOR

- Maintenance personnel
- Technical office staff

DURATION
3 days

CONTENTS

- Introduction to Helicopter AS350
- Airframe system
- Engine system

LANGUAGE
Italian/English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#101-C

Eurocopter SA 315B

FAMILIARIZATION (not approved 147)

INTRODUCTION

This familiarization course (different from the certified part-147 course) is dedicated to who needs or decides to familiarize with the SA315B helicopter. It will go through all the main aspects of the aircraft.

COURSE TYPE
classroom Course

SUITABLE FOR

- Maintenance personnel
- Technical office staff

DURATION
3 days

CONTENTS

- Introduction to Eurocopter SA 315B
- Airframe system
- Engine system

LANGUAGE
Italian/English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#102-C

Airbus Helicopters AS355 Series FAMILIARIZATION (not approved 147)

INTRODUCTION

This familiarization course (different from the certified part-147 course) is dedicated to who needs or decides to familiarize with the AS355 helicopter. It will go through all the main aspects of the aircraft.

COURSE TYPE
classroom Course

SUITABLE FOR

- Maintenance personnel
- Technical office staff

DURATION
3 days

CONTENTS

- Introduction to Helicopter AS355
- Airframe system
- Engine system

LANGUAGE
Italian/English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#103-C

AW 139 FAMILIARIZATION

INTRODUCTION

This familiarization course (different from the certified part-147 course) is dedicated to who needs or decides to familiarize with the AW139 helicopter. It will go through all the main aspects of the aircraft.

COURSE TYPE
classroom Course

SUITABLE FOR

- Maintenance personnel
- Technical office staff

DURATION
3 days

CONTENTS

- Introduction to Helicopter AW 139
- Airframe system
- Engine system

LANGUAGE
Italian/English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

#104-C

A 109 FAMILIARIZATION

INTRODUCTION

This familiarization course (different from the certified part-147 course) is dedicated to who needs or decides to familiarize with the A109 helicopter. It will go through all the main aspects of the aircraft.

COURSE TYPE
classroom Course

SUITABLE FOR

- Maintenance personnel
- Technical office staff

DURATION
3 days

CONTENTS

- Introduction to Helicopter A 109
- Airframe system
- Engine system

LANGUAGE
Italian/English

FINAL EXAM
Yes

CERTIFICATE
FlyOn.Aero
Certificate

Security Courses

AVIATION SECURITY

- **050-C-MA01** - Training of persons implementing screening of persons, cabin baggage, items carried and hold baggage
Classroom course - 3 Days - Italian/English
- **050-C-MA02** - Training of persons implementing screening of cargo and mail
Classroom course - 2 Days - Italian/English
- **050-C-MA03** - Training of persons implementing screening of air carrier mail and materials, in-flight supplies and airport supplies
Classroom course - 2 Days - Italian/English
- **050-C-MA04** - Specific training of persons performing vehicle examinations
Classroom course - 1 Day - Italian/English
- **050-C-MA05** - Specific training of persons implementing access control at an airport as well as surveillance and patrols
Classroom course - 1 Day - Italian/English
- **050-C-MA06** - Training of persons implementing aircraft security searches
Classroom course - 1 Day - Italian/English
- **050-C-MA07** - Training of persons implementing aircraft protection
Classroom course - 1 Day - Italian/English

Security Courses

AVIATION SECURITY

- **050-C-MA08** - Training of persons implementing baggage reconciliation
Classroom course - 1 Day - Italian/English
- **050-C-MA09** - Training of persons implementing security controls for cargo and mail other than screening
Classroom course - 1 Day - Italian/English
- **050-C-MA10** - Training of persons implementing security controls for air carrier mail and materials, in-flight supplies and airport supplies other than screening
Classroom course - 1 Day - Italian/English
- **050-C-MA11** - Specific training for persons directly supervising persons implementing security controls (supervisors)
Classroom course - 3 Days - Italian/English
- **050-C-MA12** - Specific training for persons with general responsibility at national or local level for ensuring that a security programme and its implementation meet all legal provisions (security managers)
Classroom course - 5 Days - Italian/English
- **050-C-MA13** - Training of persons other than passengers requiring unescorted access to security restricted areas
Classroom course - 1 Day - Italian/English
- **050-C-MA14** - Training of persons requiring general security awareness
Classroom course - 1 Day - Italian/English

Security Courses

ICAO DOC 9284 - TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF DANGEROUS GOODS BY AIR

- **051-C-01** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Shippers and Packers (Cat. 1, Cat. 2)
Classroom course - 4 Days Initial/ 2 Days Recurrent - Italian/English
- **051-C-02** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Freight Forwarders (Cat. 3)
Classroom course - 5 Days Initial/ 3 Days Recurrent - Italian/English
- **051-C-03** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Cargo DG Acceptance Staff (Cat. 6)
Classroom course - 6 Days Initial/ 4 Days Recurrent - Italian/English
- **051-C-04** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - General Cargo and Mail processing Staff (Cat. 4)
Classroom course - 2 Days Initial/ 1 Day Recurrent - Italian/English
- **051-C-05** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - General Cargo and Mail acceptance Staff (Cat. 7)
Classroom course - 2 Days Initial/ 1 Day Recurrent - Italian/English
- **051-C-06** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Passenger Handling Staff and Cabin Crew (Cat.9, Cat.11)
Classroom course - 2 Days Initial/ 2 Days Recurrent - Italian/English
- **051-C-07** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Security Screeners (Pax and Cargo) (Cat. 12)
Classroom course - 2 Days Initial/ 2 Days Recurrent - Italian/English

Security Courses

ICAO DOC 9284 - TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF DANGEROUS GOODS BY AIR

- **051-C-08** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Baggage, Cargo, Mail Handling, Storage and Loading Staff (Cat. 8)
Classroom course - 2 Days Initial / 2 Days Recurrent - Italian/English
- **051-C-09** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Flight Crew (Cat. 10)
Classroom course - 3 Days Initial / 2 Days Recurrent - Italian/English
- **051-C-10** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - All Staff (Cat. 13, Cat. 14, Cat. 15, Cat. 16, Cat. 17)
Classroom course - 1 Day Initial / 1 Day Recurrent - Italian/English
- **051-C-11** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Mail DG acceptance Staff (Cat.A)
Classroom course - 3 Days Initial / 2 Days Recurrent - Italian/English
- **051-C-12** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - General Mail Processing Staff (Cat. B)
Classroom course - 2 Days Initial / 1 Day Recurrent - Italian/English
- **051-C-13** - ICAO DoC 9284 Technical Instructions for the Safe Transport of Dangerous Goods by Air - Mail Handling, Storage and Loading Staff (Cat.C)
Classroom course - 1 Day Initial / 1 Day Recurrent - Italian/English

Security Courses

AIRSIDE SAFETY

- **053 -C-M1** - Airside Safety Course
Classroom course - Italian/English

GROUND OPERATIONS

- **053 -C-M2** - Passenger Service
Classroom course - Italian/English
- **053 -C-M3** - Ramp Service
Classroom course - Italian/English
- **053 -C-M4** - Load Control
Classroom course - Italian/English



EASA IT.147.0016

FLYON  **AERO**
AVIATION TRAINING CENTER

APPROVED PART-147 TRAINING

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ABOUT PART-147 TRAINING

FlyOn.Aero is approved Part-147 by EASA to deliver Basic Training and Type Training for the Aircraft Maintenance License (AML).

Basic Training is available for these AML categories:

	M01	M02	M03	M04	M05	M06	M07A	M08	M09A	M10	M11A	M12	M13	M14	M15	M17A
B1.1	•	•	•	•	•	•	•	•	•	•	•				•	•
B1.3	•	•	•	•	•	•	•	•	•	•		•			•	
B2	•	•	•	•	•	•	•	•	•	•			•	•		

Basic Training is delivered in the following methods:

- TRADITIONAL CLASSROOM COURSE**
 2400 hours traditional classroom course (theoretical + practical). Allows for practical experience requirement reduction to 2 years
- SKILLED WORKER**
 940 hour skilled worker course (380 hour theoretical + 560 hour practical). Allows for practical experience requirement reduction to 3 years.
- ONLINE COURSE**
 Online self-studying with our courses platform
- CLASSROOM REFRESH**
 Distributed before the exam for review with an Instructor
- DEDICATED LESSONS**
 One hour long private lessons delivered in classroom or online
- EXAMINATION**
 Part-147 approved exam. When passed, a Certificate of Recognition is delivered.

Skilled Worker B1.1+B1.3+B2

B1.1

B1.3

B2

DESCRIPTION

Skilled worker training is a 940 hour training (380 theoretical and 560 practical) that allows reduction of basic experience required to request the AML (B1.1, B1.3, B2) from 5 years to 3 years.

This training is performed in FlyOn.Aero facilities and/or through affiliated organisations (in Italy/UAE/Thailand/Other countries)

CODE	TYPE	TIME
147-SW	SKILLED WORKER B1.1+B1.3+B2	380 hour theoretical* 560 hour practical

M01	M02	M03	M04	M05	M06	M07A	M08	M09A	M10	M11A	M12	M13	M14	M15	M17A
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

*The Theoretical part duration can be can be eventually extended based on the customer's needs.

M01 - Mathematics

B1.1

B1.3

B2

PART-66 CONTENTS

- Arithmetic
- Algebra
- Geometry

CODE	TYPE	TIME
147-M01-BO	BOOK ONLINE	30 Day Activation
147-M01-R	REFRESH	1 Day
147-M01-E	EXAM	46M 15S
147-M01-C*	CLASSROOM*	7 Days

* Requires a minimum of participants

M02 - Physics

B1.1

B1.3

B2

PART-66 CONTENTS

- Matter
- Statics
- Kinetics
- Dynamics
- Fluid dynamics
- Thermodynamics
- Optics
- Wave Motion and Sound

CODE	TYPE	TIME
147-M02-BO	BOOK ONLINE	30 Day Activation
147-M02-R	REFRESH	1 Day
147-M02-E	EXAM	1H 06M 15S
147-M02-C*	CLASSROOM*	10 Days (B2) 14 Days (B1.1, B1.3)

* Requires a minimum of participants

M03 - Electrical Fundamentals

B1.1

B1.3

B2

PART-66 CONTENTS

- Electron Theory
- Static Electricity and Conduction
- Electrical Terminology
- Generation of Electricity
- Sources of Electricity
- Circuits
- Resistance /Resistor
- Power
- Capacitance/Capacitor
- Magnetism
- Inductance/Inductor
- DC Motor/Generator Theory
- AC Theory
- Resistive, Capacitive and Inductive Circuits
- Transformers
- Filters

CODE	TYPE	TIME
147-M03-BO	BOOK ONLINE	30 Day Activation
147-M03-R	REFRESH	1 Day
147-M03-E	EXAM	1H 10M 00S
147-M03-C*	CLASSROOM*	24 Days

* Requires a minimum of participants

M04 - Electronics Fundamentals

B1.1

B1.3

B2

PART-66 CONTENTS

- Diodes
- Transistors
- Integrated Circuits
- Printed Circuits Boards
- Servomechanisms

CODE	TYPE	TIME
147-M04-BO	BOOK ONLINE	30 Day Activation
147-M04-R	REFRESH	1 Day
147-M04-E	EXAM	28M 45S
147-M04-C*	CLASSROOM*	4 Days (B1.1, B1.3) 8 Days (B2)

* Requires a minimum of participants

M05 - Digital techniques electronic instrument systems

B1.1

B1.3

B2

PART-66 CONTENTS

- Electronic Instrument Systems
- Numbering Systems
- Data Conversion
- Data Buses
- Logic Circuits
- Basic Computer Structures
- Microprocessors
- Integrated Circuits
- Multiplexing
- Fibre Optics
- Electronics Displays
- Electrostatic Sensitive Devices
- Software Management Control
- Electromagnetic Environment
- Typical Electronic/Digital Aircraft Systems

CODE	TYPE	TIME
147-M05-BO	BOOK ONLINE	30 Day Activation
147-M05-R	REFRESH	1 Day
147-M05E	EXAM	57M 30S
147-M05-C*	CLASSROOM*	15 Days (B1.1, B1.3) 21 Days (B2)

* Requires a minimum of participants

M06 - Materials & Hardware

B1.1

B1.3

B2

PART-66 CONTENTS

- Aircraft materials—Ferrous
- Aircraft materials—Non Ferrous
- Composite & non-metallic other than wood and fabric
- Wooden structures
- Fabric Covering
- Corrosion
- Screw threads
- Bolts, Studs and screws
- Locking Devices
- Aircraft Rivets
- Pipes & Union
- Springs
- Bearing
- Transmissions
- Control of Cables
- Electrical Cables & Connectors

CODE	TYPE	TIME
147-M06-BO	BOOK ONLINE	30 Day Activation
147-M06-R	REFRESH	2 Days
147-M06-E	EXAM	1H 40M 00S
147-M06-C*	CLASSROOM*	26 Days (B1.1, B1.3) 20 Days (B2)

* Requires a minimum of participants

M07A - Maintenance Practices

B1.1

B1.3

B2

PART-66 CONTENTS

- Safety precautions-aircraft and workshop
- Workshop practices
- Tools
- Avionic General Test Equipment
- Engineering Drawings Diagrams and Standards
- Fits and clearances
- Electrical Wiring Interconnection System (EWIS)
- Riveting
- Pipes and Hoses
- Springs
- Bearings
- Transmissions
- Control Cables
- Sheet Metal
- Composite and non metallic
- Welding, Brazing, Soldering and Bonding
- Aircraft Weight and Balance
- Aircraft Handling and Storage
- Disassembly, Inspection, Repair and Assembly Techniques
- Abnormal Events
- Maintenance procedures

CODE	TYPE	TIME
147-M07A-BO	BOOK ONLINE	30 Day Activation
147-M07A-R	REFRESH	2 Days
147-M07A-E	EXAM	1H 51M 15S
147-M07A-C*	CLASSROOM*	40 Days theoretical (B1.1, B1.3) 38 Days theoretical (B2) 51 Days practical (B1.1, B1.3) 38 Days practical (B2)

* Requires a minimum of participants

M08 - Basic Aerodynamics

B1.1

B1.3

B2

PART-66 CONTENTS

- Physics of the Atmosphere
- Aerodynamics
- Theory of flight
- Flight stability and Dynamics

CODE	TYPE	TIME
147-M08-BO	BOOK ONLINE	30 Day Activation
147-M08-R	REFRESH	1 Day
147-M08-E	EXAM	27M 30S
147-M08-C*	CLASSROOM*	5 Days

*Requires a minimum of participants

M09A - Human Factors

B1.1

B1.3

B2

PART-66 CONTENTS

- General
- Human Performance and Limitations
- Social Psychology
- Factors affecting Performance
- Physical Environment
- Tasks
- Communication
- Human Error
- Hazards in the Workplace

CODE	TYPE	TIME
147-M09A-BO	BOOK ONLINE	30 Day Activation
147-M09A-R	REFRESH	1 Day
147-M09A-E	EXAM	30M 00S
147-M09A-C*	CLASSROOM*	4 Days

*Requires a minimum of participants

M10 - Aviation Legislation

B1.1

B1.3

B2

PART-66 CONTENTS

- Regulatory Framework
- Certifying Staff—Maintenance
- Air Operations
- Certification of aircraft, parts and appliances
- Continuing Airworthiness
- Applicable National and International Requirements

CODE	TYPE	TIME
147-M10-BO	BOOK ONLINE	30 Day Activation
147-M10-R	REFRESH	1 Day
147-M10-E	EXAM	52M 30S
147-M10-C*	CLASSROOM*	9 Days

*Requires a minimum of participants

M11A - Turbine Aeroplanes Aerodynamics, Structures & Systems

B1.1

PART-66 CONTENTS

- Aeroplane aerodynamics and flight controls
- High Speed Flight
- Airframe structures—General Concepts
- Fuselage
- Wings
- Stabilisers
- Flight Control Surfaces
- Nacelles/Pylons
- Air Supply
- Air Conditioning
- Pressurization
- Safety and warning devices
- Instrument Systems
- Avionic Systems
- Electrical Power
- Equipment and Furnishings
- Fire Protection
- Flight Controls
- Cabin Systems
- Information Systems
- Fuel Systems
- Hydraulic Power
- Ice and Rain Protection
- Landing Gear
- Lights
- Oxygen
- Pneumatic/Vacuum
- Water/Waste
- On Board Maintenance Systems
- Integrated Modular Avionics
- Cabin Systems
- Information Systems

CODE	TYPE	TIME
147-M11A-BO	BOOK ONLINE	30 Day Activation
147-M11A-R	REFRESH	2 Days
147-M11A-E	EXAM	3 10M 00S
147-M11A-C*	CLASSROOM*	50 Days theoretical 37 Days practical

* Requires a minimum of participants

M12 - Helicopter Aerodynamics, Structures & Systems

B1.3

PART-66 CONTENTS

- Theory of Flight—Rotary Wing Aerodynamics
- Flight Control Systems
- Blade Tracking and Vibration Analysis
- Transmissions
- Airframe Structures
- Air Supply
- Instrument Systems
- Avionic Systems
- Electrical Power
- Equipment and Furnishing
- Fire Protection
- Fuel Systems
- Hydraulic Power
- Ice and Rain Protection
- Landing Gear
- Lights
- Pneumatic /Vacum
- Integrated Modular Avionics
- On Board Maintenance Systems
- Information Systems

CODE	TYPE	TIME
147-M12-BO	BOOK ONLINE	30 Day Activation
147-M12-R	REFRESH	2 Days
147-M12-E	EXAM	2H 47M 30S
147-M12-C*	CLASSROOM*	43 Days theoretical 51 Days practical

* Requires a minimum of participants

M13 - Aircraft Aerodynamics, Structures & Systems

B2

PART-66 CONTENTS

- Theory of Flight
- Structures - General Concepts
- Autoflight
- Communication / Navigation
- Electrical Power
- Equipment and Furnishings
- Flight Controls
- Instruments
- Lights
- On Board Maintenance Systems
- Air supply
- Air Conditioning
- Safety and warning devices
- Fire protection
- Fuel System
- Hydraulic Power
- Ice and Rain Protection
- Landing Gear
- Oxygen
- Pneumatic/Vacuum
- Water/Waste
- Integrated Modular Avionics
- Cabin System
- Information Systems

CODE	TYPE	TIME
147-M13-BO	BOOK ONLINE	30 Day Activation
147-M13-R	REFRESH	3 Days
147-M13-E	EXAM	4H 26M 00S
147-M13-C*	CLASSROOM*	50 Days theoretical 155 Days practical

* Requires a minimum of participants

M14 - Propulsion

B2

PART-66 CONTENTS

- Turbine Engines
- Engine Indicating Systems
- Starting and Ignition Systems

CODE	TYPE	TIME
147-M14-BO	BOOK ONLINE	30 Day Activation
147-M14-R	REFRESH	1 Day
147-M14-E	EXAM	30M 00S
147-M14-C*	CLASSROOM*	4 Days theoretical 7 Days practical

*Requires a minimum of participants

M15 - Gas Turbine Engine

B1.1

B1.3

PART-66 CONTENTS

- Fundamentals
- Engine Performance
- Inlet
- Compressors
- Combustion Section
- Turbine Section
- Exhaust
- Bearing and Seals
- Lubricants and Fuels
- Lubrication Systems
- Fuel Systems
- Starting and Ignition Systems
- Engine Indication Systems
- Power Augmentation Systems
- Turbo-prop Engines
- Turbo-shaft Engines
- Auxiliary Power Units
- Powerplant Installation
- Fire Protection Systems
- Engine Monitoring and Ground Operation
- Engine Storage and Preservation

CODE	TYPE	TIME
147-M15-BO	BOOK ONLINE	30 Day Activation
147-M15-R	REFRESH	2 Days
147-M15-E	EXAM	2H15M 00S
147-M15-C*	CLASSROOM*	29 Days theoretical 33 Days practical

* Requires a minimum of participants

M17A - Propeller

B1.1

PART-66 CONTENTS

- Fundamentals
- Propeller Construction
- Propeller pitch control
- Propeller synchronising
- Propeller ice Protection
- Propeller Maintenance
- Propeller Storage and Preservation

CODE	TYPE	TIME
147-M17-BO	BOOK ONLINE	30 Day Activation
147-M17-R	REFRESH	1 Day
147-M17-E	EXAM	40M 00S
147-M17-C*	CLASSROOM*	8 Days theoretical 3 Days practical

*Requires a minimum of participants

Airbus Helicopters AS350 series (Turbomeca Arriel 1 and 2)

B1.3

C

INTRODUCTION

This course is specifically designed to obtain the CoR (Certificate of Recognition) necessary for the Type qualification on your license.

It is certified Part-147 and provides the theoretical and practical element required by Part-66.

CONTENTS

AS350 helicopter is a single engine light utility helicopter. It can carry up to a maximum of 5 or 6 people in addition to the pilot and it is used in many activities such as passenger and materials transport, emergency or rescue flights.

The course is divided into an Airframe and Engine Element.

At the end of the theoretical course the candidate will take an exam; to complete instead the practical element, the candidate will be required to pass an assessment.

CODE	TYPE	TIME
EUROCOPTER AS 350 (Turbomeca Arriel 1) EUROCOPTER AS 350 (Turbomeca Arriel 2)		
147-001-B1.3 - ALL	Airframe and Engine Theoretical course and Practical Element	18 days (108h+Exam+Assessment)
147-001-B1.3	Airframe - Engine interface included Theoretical course (AML B1.3)	11 days (66+exam)
147-001-C	Airframe - Engine interface included Theoretical course (AML C)	3 days (18h + exam)
147-001-P-B1.3	Airframe - Engine included Practical element (AML B1.3)	4 days (24h+assessment)
147-002-B1.3	Engine Theoretical course (AML B1.3)	3 days (18h+exam)
147-002-C	Engine Theoretical course (AML C)	1 day (4h+exam)

* Requires a minimum of participants

Eurocopter SA 315 B (Turbomeca Artouste)

B1.3

C

INTRODUCTION

This course is specifically designed to obtain the CoR (Certificate of Recognition) necessary for the Type qualification on your license.

CONTENTS

The Eurocopter SA315B Lama is a single-engined helicopter. It was developed to provide a rotorcraft with exceptional high-altitude performance. It can be used in different roles, such as passenger transport (4 people + pilot), medical transport and rescue. It was also used in military activities in some Nations with predominant mountain areas.

CODE	TYPE	TIME
147-003-B1.3	Airframe and Engine Theoretical course	14 days (84h+exam)

* Requires a minimum of participants

Agusta AB139/AW139 (PWC PT6)

B1.3

C

INTRODUCTION

The course is specifically designed to obtain the CoR (Certificate of Recognition) necessary for the Type qualification on your license.

It is certified Part-147 and provides the theoretical and practical element required by Part-66.

CONTENTS

The AW139 is a twin engine, rotary wing aircraft designed for passengers and material transport, ambulance, but also fire-fighting, off-shore, ecologic, radiologic, surveillance.

The course is divided into an Airframe and Engine Element.

At the end of the theoretical course the candidate will take an exam; to complete instead the practical element, the candidate will be required to pass an assessment.

CODE	TYPE	TIME
147-004-B1.3	Airframe and Engine Theoretical course (AML B1.3)	20 days (120h+exam)
147-004-P-B1.3	Airframe and Engine Practical element (AML B1.3)	9 days (54h+assessment)
147-004-C	Airframe and Engine Theoretical course (AML C)	4 days (29h+exam)

* Requires a minimum of participants

Agusta A109 Series (PWC PW 206/207)

B1.3

C

INTRODUCTION

The course is specifically designed to obtain the CoR (Certificate of Recognition) necessary for the Type qualification on your license.

It is certified Part-147 and provides the theoretical and practical element required by Part-66

CONTENTS

The AgustaWestland AW109 is a single main rotor, twin engine, eight seats multi-role helicopter built by Leonardo S.p.A.

It has been used in various roles, including light transport, search and rescue, military roles.

The course is divided into an Airframe and Engine element.

At the end of the theoretical course, the candidate will take an exam; to complete instead the practical element, the candidate will be required to pass an assessment.

CODE	TYPE	TIME
147-005-B1.3	Airframe and Engine Theoretical course (AML B1.3)	20 days (120h+exam)
147-005-P-B1.3	Airframe and Engine Practical element (AML B1.3)	9 days (54h+assessment)
147-005-C	Airframe and Engine Theoretical course (AML C)	4 days (29h+exam)

* Requires a minimum of participants

