



CONTENTS

1. OUR TRAINING PHILOSOPHY	3
2. MAINTENANCE COURSES - TYPE RATING PART 147	7
2.1 B1-T1 Technician Mechanical Course	8
2.2 B1-T1 Additional Avionics Course	. 10
2.3 B2-T2 Avionics Technician Course	. 12
2.4 B2-T2 Additional Mechanical Course	. 14
2.5 A-T3 Mechanics Course	. 15
2.6 C-T4 Base Maintenance Certifying Engineer Course	. 16
2.7 B1-T1 AND B2-T2 Maintenance Differences Course	
3. MAINTENANCE COURSES - TYPE RATING NON-PART 147	. 19
3.1 LINE & BASE Mechanics Course	. 20
3.2 LINE & BASE All Systems Course	. 22
4. OTHER MAINTENANCE COURSES NON-PART 147	. 25
4.1 Refresh and Trouble Shooting	. 26
4.1.1 Maintenance Refresh Training B1-T1 and B2-T2 Course	
4.1.2 Trouble shooting course - All System	
4.1.3 Phobos Course - MFC Systems	
4.1.4 MPC Advanced course ATR legacy aircraft	
4.2 Documentation	
4.2.1 ATRN@V ATR Maintenance Documentation	
4.2.2 Standard Practices Manuals ATR Maintenance Documentation	
4.2.3 Structure Repair Manual (SRM) Familiarisation Course	
4.2.4 ATR MMEL/CDL Maintenance Course	33
Development Processes (MSG3/MBRB) Course	

4.3 Power Plant	35
4.3.1 Engine Run-Up Course	35
4.3.2 Engine Run-up Refresh Course	36
4.3.3 Differences engine Run-Up Course	37
4.3.4 Boroscope Inspection Course	38
4.3.5 ATR 42/72 500/600 Propeller Module (HS 568F)	39
4.3.6 Propeller Blade Line Maintenance Repair Training (568F)	40
4.4 MATRI Maintenance Instructor	41
4.4.1 MATRI Maintenance Instructor Course	41
4.4.2 MATRI Maintenance Instructor Refresh Course	42
4.5 Repair and Assessment	43
4.5.1 Composite repair Course	43
4.5.2 EWIS Course	44
4.5.3 ATR 42/72 500/600 Non Destructive Testing Module	45
4.6 Preventive Maintenance PAMO Course	46
. ATR MODULAR MAINTENANCE TRAINING COURSES	47
. TRAINING EQUIPMENT AND MULTIMEDIA TRAINING TOOLS	ЛС
6.1 General equipment	
6.2 ATR Training Center simulators	
6.3 CBT (Computer Based Training) ACOS/ACOS ² ,	•
ATR Courseware Software	
6.4 3D Trainers	54
6.5 Packages	55
6.6 Prerequisites	
6.7 ATR Training Center Maintenance Training Tools	
6.8 Mobile Classroom	58
.GLOSSARY	59
GENERAL TERMS AND CONDITIONS	63



ATR TRAINING CENTER'S TRAINING AND FLIGHT OPERATIONS EXPERTISE THAT ONLY AN AIRCRAFT MANUFACTURER CAN PROVIDE

With more than 1000 aircraft operating worldwide, ATR has developed a full set of innovative and competitive services to complement the Operators' own capabilities. ATR Training Center has been created in 1989 to meet companies' requirements and provide an innovative and cost effective level of training. Ten years later, ATR Training Center was one of the first centers to be recognized by the JAA as a Type Rating Training Organization (TRTO) and Maintenance Training Organisation and Exposition (MTOE). In 2012, ATR became the first company qualified by EASA as an Approved Training Organisation (ATO) under FR.ATO.0001 certificate. In 2017, more than 3,500 trainees attended our courses.

Located in Toulouse Blagnac, ATR headquarters benefit from the proximity of some of the major aeronautical companies in the world, such as Airbus. Studying in ATR Training Center in Toulouse is a unique opportunity for trainees to visit the ATR Final Assembly Line (FAL), but also to benefit from the expertise of ATR's engineering and design departments.

The ATR Training Center objective is to provide the best standard of training, as well as comprehensive operations support at an affordable price for all ATR operators worldwide. In order to best meet your needs, ATR Training Center is designed as a network of training centers around the world. By both creating ATR proprietary training centers and establishing partnerships

around the world, ATR Training Center ensures availability of its training for all customers. On the one hand, ATR Training Center Toulouse set the rules and standards to be applied in all ATR training centers: course contents (training syllabi) and training devices configuration are standardised worldwide. On the other hand, all ATR Training Centers benefit from state-of-the-art installations and provide a high level of training services with a full set of comprehensive training tools, each one adapted to a specific phase of the learning process.

In order to give the best message and quality of tuition to all trainees, ATR Training Center updates both training programmes and tools on a regular basis. Moreover standardisation of information is ensured

by updating contents via all ATR instructors and revising the supporting training material.

Being an aircraft manufacturer allows ATR Training Center to provide very high standards in terms of quality and device availability. High investments have been made to develop state of the art computer based applications (ATR Courseware ACOS, Virtual Walkaround, 3D Procedure, desktop trainer...), one of the Pillars of our mobile classrooms, but also provide our trainees with a wide range of training devices (briefing and debriefing stations, Flat Panel Trainer, Full Flight Trainer, Full Flight Simulator). Associated with top notch Instructors and high standard classrooms, all our Trainees get access to a very unique training environment.









UNIQUE SUITE OF TRAINING EQUIPMENT

We offer state of the art technical equipment including modern classrooms, fully equipped debriefing stations, Desktop trainers, Computer Based Trainer stations, Flight Deck mock-ups, a Flight Deck evacuation mock-up, Virtual Flight Decks, Virtual Procedures Trainers, Virtual Walkaround, Full Flight Trainers and Full Flight Simulators.

COURSES TAILORED TO YOUR NEEDS

Our catalogue includes a wide range of training for flight crews, cabin crews, maintenance personnel, operations engineers and flight dispatchers. We also offer made-to-measure courses adapted to your requests in order to perfectly suit your requirements. The ATR Training Center programmes have been developed to reflect the aircraft characteristics while meeting the needs of its operators. Courses are carried out in English or French, or by means of a special arrangement in the customer's own language, using an interpreter. As per ICAO standards, applicants for our course should be able to read, write and communicate to an understandable level of English.

EASA APPROVED COURSES

All our pilot and maintenance training programmes are approved by the French DGAC on behalf of the EASA requirements and automatically valid across all European Countries. For customers who are not under the EASA regulations, we provide customised programmes submitted for approval to each National Aviation Authority.

OUR TEACHING CONCEPT

Our training is based on the modern CBT (Competency-Based Training) and TEM (Threat & Error Management) use thorough task analysis, led by our specialists in collaboration with our customers.

As the best way to reinforce acquired theoretical knowledge is to put it into practice, we combine the need-to-know concept with the "learning by doing" experience in order to enhance maximum retention. Moreover, all our courses are designed for quick and efficient use by the trainees within the airline environment. Thus, the vocabulary and phraseology used in Training and Operations are identical in order to achieve the required standard.

We also include a Field Trip in our pilot, maintenance and flight attendant courses. During the Field Trip, the trainees visit the ATR Final Assembly Line, where they can locate the systems components in the aircraft.

FLIGHT OPERATIONS SUPPORT

The flight operations office is located in the Toulouse Training Center, thus taking advantage of its operational environment to support the airlines with a wide range of services such as technical assistance, detailed performance studies (take-off and landing charts, flight plans, route studies, airport studies, weight & balance studies...), on-site assistance and training, customised operational documentation and ATR Performance Software.

ATR Toulouse Training Center is the International Reference for Equipment, Programmes, Strategic orientations and Instructors standardisation. Under its control, the ATR worldwide training policy is developing a number of Training Centers around the world.





series except -600 FFS

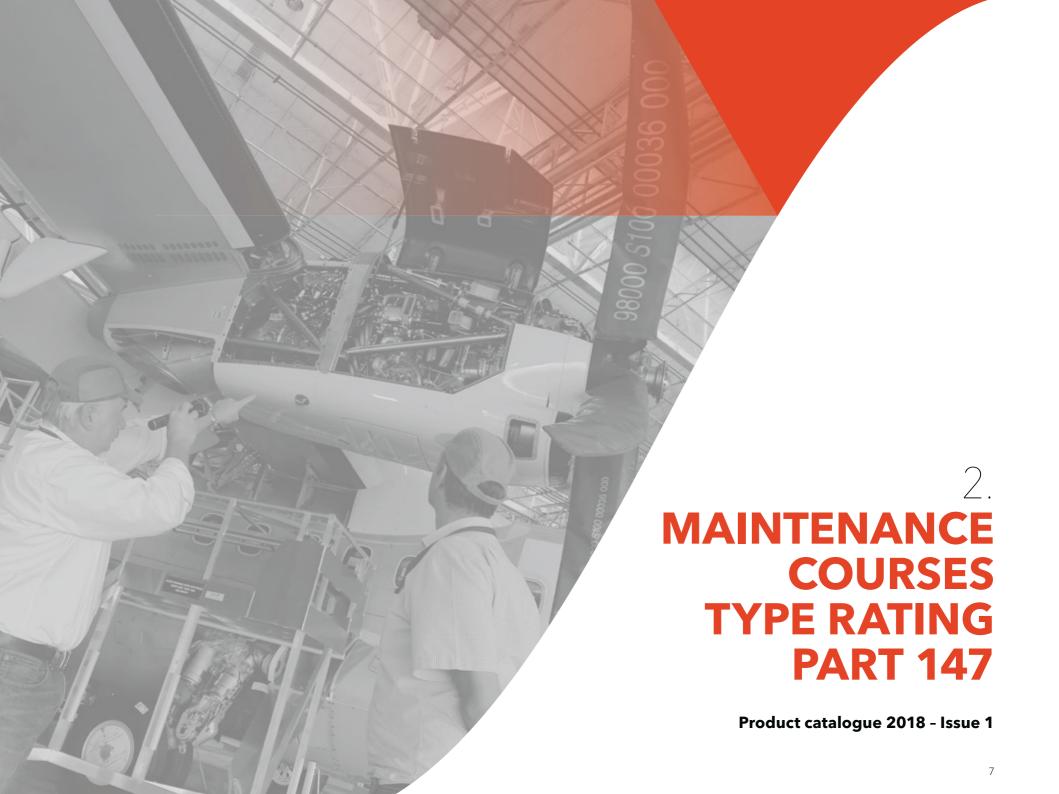
72-600 series FFS











2.1. **B1-T1 TECHNICIAN MECHANICAL** COURSE

EASA APPROVED

DURATION

30 DAYS

OUR TRAININ

2. MAINTENANCI COURSES TYPE

3. MAINTENANCE COURSES TYPE 7 RATING NON-PART 147

MAINTENANC

5. ATR MODULAR MAINTENANCE

GENERAL TERMS

WHO IS ELIGIBLE?

Personnel required to issue certificates for release to service.

PREREQUISITES

- 1. To have a basic knowledge of aircraft systems
- **2.** To be certified staff or equivalent (1 year experience in a similar aircraft category for practical part only).
- 3. To have good knowledge of the English language

OBJECTIVES

- To provide the maintenance engineer with comprehensive and practical knowledge and understanding of the ATR systems.
- To enable the participant to support the aircraft and to carry out effective troubleshooting and repairs.

COURSE OUTLINE

THEORETICAL PART: 20 DAYS

This module runs theoretical descriptions of the ATR electrical and mechanical systems (level 3) and of the avionics systems (level 2); it takes place in the classroom, using ACOS.

PRACTICAL PART: 10 DAYS

Module 1: Cockpit & Test Operations: 5 days

This sub-module is run on STD (Synthetic Training Device). It is a computer-based training tool dedicated to maintenance staff training. Its aim is to apply operational procedures in a 3D virtual environment by interacting with the elements of the aircraft. It also includes a field trip to the ATR assembly line for systems component location. It comprises the testing and operations of aircraft systems.

Module 2: Aircraft Maintenance Practice: 5 days

This module is run on real aircraft. It comprises the most significant maintenance operation on the mechanical/electrical systems.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

ATR 42-200/300 series or ATR 72-100/200 series or ATR 42-400/500/72-212A (-500 or -600) B1/T1 Training Programme. Powered with PWC PW 120 series

WEEK 1 THEORETICAL TRAINING

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course presentation	ACOS	Examination/ Debriefing	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Debriefing	Examination/ Debriefing

WEEK 2 THEORETICAL TRAINING

DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
Briefing	Briefing	Briefing	Briefing	Briefing
ACOS	ACOS	Examination/ Debriefing	Examination/ Debriefing	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Debriefing	Examination/ Debriefing

WEEK 3 THEORETICAL TRAINING

DAY 11	DAY 12	DAY 13	DAY 14	DAY 15
Briefing	Briefing	Briefing	Briefing	Briefing
ACOS	Examination/ Debriefing	ACOS	Examination/ Debriefing	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Debriefing	Examination/ Debriefing

WEEK 4 THEORETICAL TRAINING

DAY 16	DAY 17	DAY 18	DAY 19	DAY 20
Briefing	Briefing	Briefing	Briefing	Briefing
ACOS	ACOS	Examination/ Debriefing	Examination/ Debriefing	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Debriefing	Examination/ Debriefing

WEEK 5 PRACTICAL TRAINING (module 1 - STD Synthetic Training Device)

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Briefing	Briefing	Briefing	Briefing	Briefing
Field Trip	Field Trip	Field Trip	Field Trip	Field Trip
Synthetic Training Device	STD	STD	STD	STD
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

WEEK 6 PRACTICAL TRAINING (module 2 - Aircraft)

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Briefing	Briefing	Briefing	Briefing	Briefing
Practical training				
Practical training				
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing



DURATION

6 OR 7 DAYS

2.2 **B1-T1 ADDITIONAL AVIONICS** COURSE

WHO IS ELIGIBLE?

Maintenance Personnel wishing to get upgraded from category B1 to category B2 with additional training covering the avionics systems at level III.

PREREQUISITES

- 1. To be qualified as B1-T1 performed in ATR Training Center
- 2. To have good knowledge of the English language

OBJECTIVES

COURSE OUTLINE

The additional training includes the following modules.

THEORETICAL PART: 3 DAYS

This module consists of the theoretical description (level 3) of ATR avionics systems. It takes place in the classroom, using ACOS.

PRACTICAL PART: 4 DAYS FOR -600 AND 3 DAYS FOR OTHER ATR MODELS

Module 1: Cockpit Test & Operations: 2 days

This sub-module is run on STD (Synthetic Training Device). It is a computer-based training tool dedicated to maintenance staff training. Its aim is to apply operational procedures in a 3D virtual environment by interacting with the elements of the aircraft. It also includes a field trip to the ATR assembly line for systems component location. It comprises the testing and operations of aircraft systems.

Module 2: Aircraft Maintenance Practice: 1 or 2 days

This sub-module is carried out on real aircraft. It comprises the most significant maintenance operation on the avionics system.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

Transition Programme course from T1 to T2 ATR 42-400/500/72-212A (-500, -600) and ATR 72-100/200 series or ATR 42-200/300 series

THEORETICAL /PRACTICAL TRAINING (module 1)

THEORETICAL PART DAY 1	THEORETICAL PART DAY 2	THEORETICAL PART DAY 3	PRATICAL PART DAY 1	PRATICAL PART DAY 2
Welcome	Briefing	Briefing	Briefing	Briefing
Briefing	Examination/ Debriefing	ACOS	Field Trip	Field Trip
ACOS	ACOS	ACOS	STD	STD
Debriefing	Debriefing	Examination/ Debriefing	Debriefing	Debriefing

WEEK 2 PRACTICAL TRAINING (module 2)

PRATICAL PART DAY 3	PRATICAL PART DAY 4
Briefing	Briefing
Practical training	Practical training
Practical training	Practical training
Debriefing	Debriefing



28 DAYS

OUR TRAININ

2. MAINTENANC COURSES TYPE

3. MAINTENANCE COURSES TYPE RATING NON-PART 14

MAINTENANCE

5. AIK MODULAK MAINTENANCE

> 6. TRAINING EQUIPMENT

GENERAL TERMS

WHO IS ELIGIBLE?

Personnel required to issue certificates for release to service following line and base maintenance on avionics and electric systems.

PREREQUISITES

- 1. To have good basic knowledge of aircraft systems
- **2.** To be certified staff or equivalent (with 1 year experience in a similar aircraft category for practical part only).
- 3. To have good knowledge of the English language

OBJECTIVES

- To provide the maintenance engineer with comprehensive and practical knowledge and understanding of the ATR electrical and avionics systems.
- To enable the participant to support the aircraft and to carry out effective troubleshooting and repairs.

COURSE OUTLINE

THEORETICAL PART: 18 DAYS

This module consists of the theoretical description of ATR electrical and avionics systems (level 3) and of mechanical systems (Level 1). It takes place in the classroom, using ACOS.

PRACTICAL PART: 10 DAYS

Module 1: Cockpit Test & Operations: 5 days

This sub-module is run on STD (Synthetic Training Device). It is a computer-based training tool dedicated to maintenance staff training. Its aim is to apply operational procedures in a 3D virtual environment by interacting with the elements of the aircraft. It also includes a field trip to the ATR assembly line for systems component location. It comprises the testing and operations of aircraft systems.

Module 2: Aircraft Maintenance Practices: 5 days

This sub-module is carried out on real aircraft. It comprises the most significant maintenance operation on the electrical and avionics systems.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

All ATR models

B2/T2 Training Programme. Powered with PWC PW 120 series

THEORETICAL TRAINING

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course presentation	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Examination/ Debriefing	Examination/ Debriefing	Debriefing
DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
Briefing ACOS	Briefing ACOS	Briefing ACOS	Briefing ACOS	Briefing ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Examination/ Debriefing	Debriefing	Examination/ Debriefing	Debriefing	Debriefing
DAY 11	DAY 12	DAY 13	DAY 14	DAY 15
Briefing	Briefing	Briefing	Examination/ Debriefing	Briefing
ACOS	ACOS	Examination/ Debriefing	ACOS	Examination/ Debriefing
ACOS	ACOS	ACOS	ACOS	ACOS
Examination/ Debriefing	Debriefing	Debriefing	Examination/ Debriefing	Debriefing
DAY 16	DAY 17	DAY 18		
Briefing	Briefing	Briefing		
Examination/ Debriefing	Examination/ Debriefing	Examination/ Debriefing		
ACOS	ACOS	ACOS		

Debriefing

PRACTICAL TRAINING

Module 1 - STD Synthetic Training Device

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Briefing	Briefing	Briefing	Briefing	Briefing
Field Trip				
STD	STD	STD	STD	STD
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

Module 2 - Aircraft

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Briefing	Briefing	Briefing	Briefing	Briefing
Practical training				
Practical training				
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

Debriefing

Debriefing

2.4 B2-T2 ADDITIONAL **MECHANICAL** COURSE

WHO IS ELIGIBLE?

Maintenance personnel wishing to get upgraded from category B2 to category B1 with additional training covering the mechanical systems at level III

PREREQUISITES

- 1. To be qualified as B2-T2 performed in ATR Training Center
- 2. To have good knowledge of the English language

OBJECTIVES

COURSE OUTLINE

Additional training includes the following modules.

THEORETICAL PART: 6 DAYS, ALL ATR MODELS

This module consists of the theoretical description (level3) of ATR mechanical systems and takes place in the classroom, using ACOS.

PRACTICAL PART: 5 DAYS, ALL ATR MODELS

Module 1: Cockpit Test & Operations: 3 days

This sub-module is run on STD (Synthetic Training Device). It is a computer-based training tool dedicated to maintenance staff training. Its aim is to apply operational procedures in a 3D virtual environment by interacting with the elements of the aircraft. It also includes a field trip to the ATR assembly line for systems component location. It comprises the testing and operations of aircraft systems.

Module 2: Aircraft Maintenance Practice: 2 days

This sub-module is carried out on real aircraft. It comprises the most significant maintenance operations on mechanical systems.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

All ATR models

Transition Programme course from T2 to T1 - B2/T2 Training Programme. Powered with PWC PW 120 series

THEORETICAL TRAINING

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
ACOS	ACOS	Examination/ Debriefing	ACOS	Examination/ Debriefing
Examination/ Debriefing	Examination/ Debriefing	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

Examination/ Debriefing

> ACOS/ Debriefing

PRACTICAL TRAINING

	MODULE 1			MODULE 2	
DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	
Briefing	Briefing	Briefing	Briefing	Briefing	
FT	FT	FT	Practical Training	Practical Training	
STD	STD	STD	Practical Training	Practical Training	
Briefing	Briefing	Briefing	Debriefing	Debriefing	

2.5 A-T3 MECHANICS COURSE

EASA APPROVED

DURATION

5 DAYS

PHILOSOPHY

MAINTENANCE COURSES TYPE ATING PART 147

3. MAINTENANCE COURSES TYPE RATING NON-PART 14

> 4. OTHER MAINTENANCE COURSES NON-PART 1.

WHO IS ELIGIBLE?

Personnel required to issue certificates for release to service following minor line maintenance and simple defect rectifications.

PREREQUISITES

- **1.** To be certified staff or equivalent with 1 year experience in a similar aircraft category.
- 2. To have good knowledge of the English language

OBJECTIVES

- To provide the maintenance engineer with thorough knowledge of the ATR systems associated with ramp and transit operations.
- To enable the trainee to effectively carry out fault-diagnosis and repairs, in accordance with maintenance procedures.

COURSE OUTLINE

This is a "Practical Training" course, which includes maintenance tasks for ramp and transit operations and it is carried out on real aircraft.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- \bullet Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

ATR 42-200/300 series or ATR 72-100/200 series or ATR 42-400/500/72-212A (-500 or -600)
T3 Training Programme. Powered with PWC PW 120 serie

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome/ Briefing	Briefing	Briefing	Briefing	Briefing
Practical Training	Practical Training	Practical Training	Practical Training	Practical Training
Practical Training	Practical Training	Practical Training	Practical Training	Practical Training
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

5 DAYS

OUR TRAININ

COURSES TYPE

2.6 C-T4 BASE MAINTENANCE CERTIFYING ENGINEER COURSE

WHO IS ELIGIBLE?

This course is also designed for technical managers and quality departments who wish to acquire knowledge of ATR aircraft systems.

Maintenance supervisors required to issue certificates of release to service following the line and base maintenance of the aircraft.

PREREQUISITES

- 1. To have good basic knowledge of aircraft systems
- 2. To be certified staff or equivalent
- 3. To have good knowledge of the English language

OBJECTIVES

• To provide maintenance management with comprehensive knowledge of the ATR Systems

COURSE OUTLINE

This course takes place in a classroom, using ACOS. All ATR systems are described at level 1 knowledge.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- $\bullet\,$ Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

ATR 42-200/300 series or ATR 72-100/200 series or ATR 42-400/500/72-212A (either -500 or -600) T4 Training Programme. Powered with PWC PW 120 series

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course presentation	ACOS	Examination/ Debriefing	Examination/ Debriefing	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Debriefing	Examination/ Debriefing

2.7 B1-T1 AND B2-T2 MAINTENANCE

EASA APPROVED

DURATION

2 TO 12 DAYS

1. OUR TRAINING PHILOSOPHY

DIFFERENCES COURSE

WHO IS ELIGIBLE?

Certified staff or equivalent technician qualified for one ATR aircraft type and wishing to be qualified for another type.

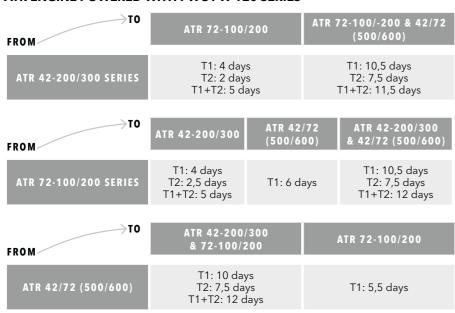
OBJECTIVES

• To enable the technician to efficiently work on another ATR variant

COURSE OUTLINE

The required training module chosen from the table below will depend on the aircraft type.

ATR ENGINE POWERED WITH PWC PW 120 SERIES

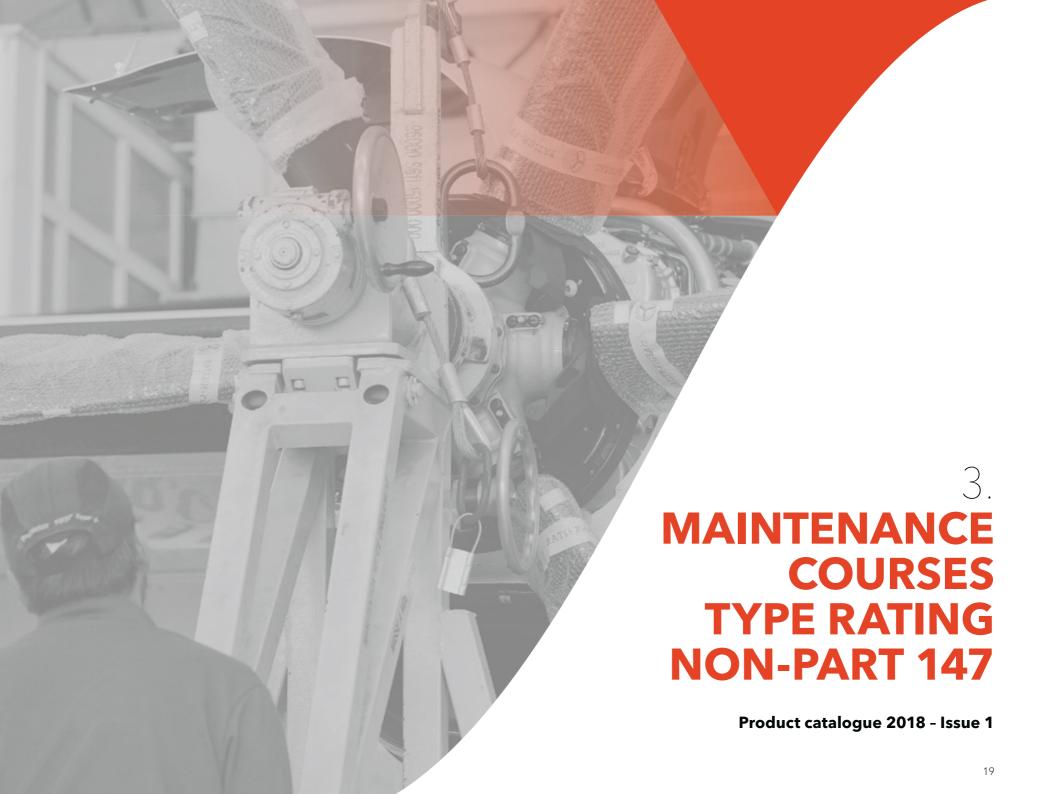


NON PART 147 DIFFERENCES COURSE 500 > 600 VARIANTS



NON PART 147 DIFFERENCES COURSE 600 > 500 VARIANTS





8. GENERAL TERMS AND CONDITIONS

WHO IS ELIGIBLE?

Personnel associated with line and base maintenance related to the airframe and power plant systems.

PREREQUISITES

- **1.** To have experience in aircraft maintenance related to airframe and power plant systems on similar aircraft.
- 2. To have good knowledge of the English language

OBJECTIVES

• To gain comprehensive knowledge of the mechanical systems. This course is not applicable for -600 aircraft.

COURSE OUTLINE

THEORETICAL PART: 15 DAYS

This module consists of the theoretical description of ATR mechanical systems (level 3), electrical systems (level 2), and avionics systems (level 1). It takes place in the classroom, using ACOS.

PRACTICAL PART - COCKPIT TEST & OPERATION: 5 DAYS (IF REQUIRED)

This sub-module is carried out on Simulator and includes a field trip to the ATR assembly line for systems component location. It comprises the testing and running of the mechanical and electrical systems that can be performed from the cockpit.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- $\bullet\,$ Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

LINE & BASE MECHANIC'S PROGRAMME ENGINE POWERED WITH PWC PW 120 SERIES

ATR 42-400/500 or 72-212A (-500 or -600) or ATR 72-100/200 series or ATR 42-200/300 series

WEEK 1 THEORETICAL TRAINING

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course Presentation	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	Examination/ Debriefing	ACOS	Examination/ Debriefing
Debriefing	Debriefing	ACOS	Debriefing	ACOS

WEEK 2 THEORETICAL TRAINING

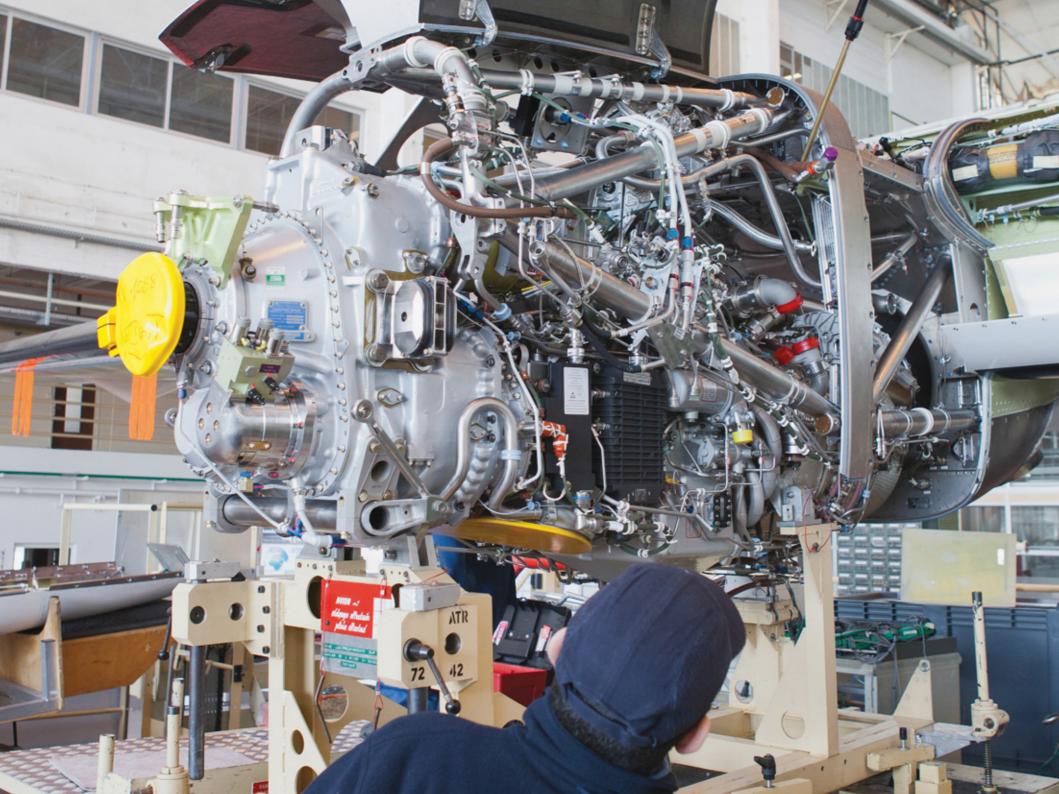
DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
Briefing	Briefing	Briefing	Briefing	Briefing
ACOS	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Examination/ Debriefing	Debriefing	Examination/ Debriefing

WEEK 3 THEORETICAL TRAINING

DAY 11	DAY 12	DAY 13	DAY 14	DAY 15
Briefing ACOS	Briefing ACOS	Briefing ACOS	Briefing ACOS	Briefing ACOS
ACOS	ACOS	ACOS	ACOS	Examination/ Debriefing
Debriefing	Debriefing	Examination/ Debriefing	Debriefing	Briefing/ACOS

WEEK 4 PRACTICAL TRAINING

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Briefing	Briefing	Briefing	Briefing	Briefing
Field Trip				
Simulator	Simulator	Simulator	Simulator	Simulator
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing



WHO IS ELIGIBLE?

Personnel associated with line and base maintenance referring to the electrical, avionics and mechanical systems.

PREREQUISITES

- 1. To have experience in aircraft maintenance related to the electrical, avionics and mechanical systems.
- 2. To have good knowledge of the English language

OBJECTIVES

• To gain comprehensive knowledge of the electrical, avionics and mechanical ATR systems. This course is not applicable for -600 aircraft.

COURSE OUTLINE

THEORETICAL PART: 23 DAYS

This module consists of the theoretical description of ATR mechanical, electrical and avionics systems (level 3). It takes place in the classroom, using ACOS.

PRACTICAL PART COCKPIT & TEST OPERATIONS: 7 DAYS (IF REQUIRED)

This sub-module is carried out on Simulator and includes a field trip to the ATR assembly line for systems component location. It includes the testing and operation of the mechanical, electrical and avionics systems that can be conducted from the cockpit.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Flight Deck Layout Posters and supplementary manuals, as appropriate
- Also available: Maintenance documentation

PROGRAMME

LINE & BASE ALL SYSTEMS PROGRAMME ENGINE POWERED WITH PWC PW 120 SERIES

ATR 42-400/500/72-212A (-500 or -600) or ATR 72-100/200 series or ATR 42-200/300 series

WEEK 1 THEORETICAL TRAINING

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course Presentation	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Debriefing	Examination/ Debriefing	Examination/ Debriefing

WEEK 2 THEORETICAL TRAINING

DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
Briefing	Briefing	Briefing	Briefing	Briefing
ACOS	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Examination/ Debriefing	Examination/ Debriefing	Examination/ Debriefing

WEEK 3 THEORETICAL TRAINING

DAY 11	DAY 12	DAY 13	DAY 14	DAY 15
Welcome	Briefing	Briefing	Briefing	Briefing
Course Presentation	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Examination/ Debriefing	Examination/ Debriefing	Examination/ Debriefing	Debriefing	Examination/ Debriefing

WEEK 4 THEORETICAL TRAINING

DAY 16	DAY 17	DAY 18	DAY 19	DAY 20
Welcome	Briefing	Briefing	Briefing	Briefing
Course Presentation	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Examination/ Debriefing	Debriefing	Examination/ Debriefing	Examination/ Debriefing	Debriefing

WEEK 5 THEORETICAL/PRACTICAL TRAINING

DAY 21	DAY 22	DAY 23	PRACTICAL PART DAY 1	PRACTICAL PART DAY 2
Briefing	Briefing	Briefing	Briefing	Briefing
ACOS	ACOS	ACOS	Field Trip	Field Trip
ACOS	ACOS	ACOS	Simulator	Simulator
Examination/ Debriefing	Debriefing	Examination/ Debriefing	Debriefing	Debriefing

WEEK 6 PRACTICAL TRAINING

DAY 3	DAY 4	DAY 5	DAY 6	DAY 7
Briefing	Briefing	Briefing	Briefing	Briefing
Field Trip				
Simulator	Simulator	Simulator	Simulator	Simulator
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing



4.1 REFRESH AND TROUBLE SHOOTING

4.1.1 MAINTENANCE REFRESH TRAINING

5 - 7 DAYS

DURATION

B1-T1 AND B2-T2 COURSE

WHO IS ELIGIBLE?

Maintenance engineers with ATR Aircraft Type experience.

PREREQUISITES

- 1. To have completed the B1 T1 or the B2 T2 course or equivalent.
- 2. To have good knowledge of the English language
- 3. To have at least 2 years of experience on ATR aircraft

Note:

- The standard training duration is valid for a trainee owning an ATR qualification with less than 2 years out of active service.
- 10 days T1 or 8 days T2 or 15 days T1 + T2 refresher courses will be applicable to an ATR qualified trainee with less than 7 years out of active service
- More than 7 years out of active service will request a customised offer.

OBJECTIVES

• To refresh knowledge acquired in previous courses.

PROGRAMME

B1-T1 REFRESHER PROGRAMME ENGINE POWERED WITH PWC PW 120 SERIES

ATR 42-400/500/72-212A (-500, -600) or ATR 72-100/200 series or ATR 42-200/300 series

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course presentation	Examination/ Debriefing	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Examination/ Debriefing	Examination/ Debriefing	Examination/ Debriefing

B2-T2 REFRESHER PROGRAMME ENGINE POWERED WITH PWC PW 120 **SERIES**

ATR 42-400/500/72-212A (-500, -600) or ATR 72-100/200 series or ATR 42-200/300

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course presentation	ACOS	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Examination/ Debriefing	Examination/ Debriefing	Debriefing	Examination/ Debriefing

B1-T1/B2-T2 REFRESHER PROGRAMME ENGINE POWERED WITH PWC PW 120 SERIES

ATR 42-400/500/72-212A (-500, -600) or ATR 72-100/200 series or ATR 42-200/300 series

WEEK 1

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome	Briefing	Briefing	Briefing	Briefing
Course presentation	Examination/ Debriefing	ACOS	ACOS	ACOS
ACOS	ACOS	ACOS	ACOS	ACOS
Debriefing	Debriefing	Examination/ Debriefing	Examination/ Debriefing	Examination/ Debriefing

WEEK 2

DAY 6	DAY 7
Briefing	Briefing
ACOS	ACOS
ACOS	ACOS
Debriefing	Examination/ Debriefing

4.1 REFRESH AND TROUBLE SHOOTING 4.1.2 TROUBLE SHOOTING COURSE

10 DAYS 5 DAYS 3 DAYS

WHO IS ELIGIBLE?

Line and Base Maintenance Engineers qualified for ATR aircraft type 500 and/or 600 involved in aircraft trouble shooting processes.

ALL SYSTEM

Participants must have good knowledge of the English language and aircraft systems.

OBJECTIVES

This training shows the correct use of Trouble shooting technics in order to isolate most of the failure improving dispatch reliability:

Trouble shooting course is organized by ATA chapter and focuses on:

- Systems operation refresh (Airframe, Power- Plant, Electrical and Avionics),
- Top 10 suspected equipments
- Recurrent system failures
- Aircraft diagnostic tools
- Use of Technical Documentation for TS

DOCUMENTATION

Trouble Shooting Training Notes will be provided to the trainees.



COURSE DATA

- Airline Customer feedback
- AWARF Database collection

Last 10 years



COURSE OUTLINE

This training has been designed using ATR customer feedback database AWARE (ATR Website Aircraft Report and Exchange).

We took this database as a reference (10 years of feedback) which stores the recurrent systems failures which have resulted in departures being delayed by more than 15 minutes, in order to:

- Perform classification by ATA chapter on the 10 most failed equipment
- Analyse, by ATA chapter, recurrent failures and help mechanics how to recognise
- Identify Complex TS analysis
- Know how to use diagnostic tools (MFC memory, Alpha Call-Up, ACMS reports, AVS bite, Computer front face etc...)
- ATR Technical Documentation (TSM, SL, ASM, TPS etc...)

This course includes a theoretical part taught by an instructor and TS exercises by using Simulation Training tools.

TS course tailored with 4 groups of training activities by ATA chapters:

- 1. Centralised Maintenance ATA 31, 42, 45
- 2. Airframe ATA 21, 24, 26, 28, 27, 29, 30, 32, 35, 36, 52
- 3. Power & Plant 61, 70
- 4. Avionics 22, 23, 34

TRAINING TOPIC & DURATION

The course is organised by ATA chapter and focuses on:

- System operation refresh
- Top10 suspected Equipment
- System reccurent failures
- Aircraft diagnostic tools
- Documentation

Available for B1/B2 certifying staff

Training duration 10 days for groups 1, 2, 3 and 4 5 days for groups 1+3 or 2 3 days for groups 1+4 or 3 for 500 only



COURSE BENEFITS

- System knowleges & refresh
- Trouble shooting efficiency
- Maintenance cost reduction

Improve aircraft reliability

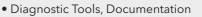






TRAINING TOOLS

- Aircraft Systems operation • Aircraft component location





4.1.3 PHOBOS COURSE - MFC SYSTEMS

Phobos is a dedicated tool to trouble shoot systems controlled and monitored by the MFC (Multi-Function Computer).

4.1 REFRESH AND TROUBLE SHOOTING

WHO IS CONCERNED?

Line and Base Maintenance Engineers qualified for ATR aircraft type involved in aircraft trouble shooting processes.

Participants must have good knowledge of the English language & the Aircraft systems.

OBJECTIVES

To study the alternative trouble shooting method using PHOBOS TOOL

- MFC's HISTORY & DESCRIPTION
- MFC's IMPLEMENTATION & SYSTEMS
- TROUBLE SHOOTING MFC's SYSTEMS USING PHOBOS TOOL
- PHOBOS FUNCTIONALITIES
- TROUBLE SHOOTING EXERCISES
 - USING A SIMULATION TOOL
 - USING PHOBOS ON AIRCRAFT

COURSE OUTLINE

This course includes a theoretical part taught by an instructor using a Simulation Training tool

A classroom with a high definition video projector is required

Due to the practical part on aircraft.:

- The PHOBOS course is limited to 6 Trainees
- 2 practical sessions require access to an Aircraft in Flight Ready conditions fitted with MFC Standard 4 or 6
- A company Laptop running PHOBOS software associated to PHOBOS TOOL KIT will be used for the practical part, (if available).

DOCUMENTATION

• PHOBOS Training Notes will be provided to the trainees.

PROGRAMME

DAY 1	DAY 2	DAY 3
Theoretical Part: MFC's History & refresh MFC's Implementation & Systems	Theoretical Part: PHOBOS TOOL Presentation PHOBOS Installation on Laptop MFC's INPUTS Check using PHOBOS	Theoretical Part: MFC's OUPUTS/AUDIO Check using PHOBOS Practical Part: OUPUTS & AUDIOS CHECKS Practical Trouble Shooting Exercises using Training Tool & Aircraft (2H00 required)
	Practical Part: INPUTS CHECKS	

Theoretical Part:

Failure Data Analysis TSM & ASM Documentation refresh

Practical Trouble Shooting Exercises using Simulation Training Tool Practical Trouble Shooting Exercises using Aircraft (2H00 required)

2/2,5 DAYS

,5 DAYS

OUR TRAINING

MAINTENANCE COURSES TYPE ATING PART 147

3. MAINTENANCE COURSES TYPE TING NON-PART 14

> 4. OTHER MAINTENANCE COURSES NON-PART 14

5. ATR MODULAR MAINTENANCE TRAINING

WHO IS ELIGIBLE?

Line and Base Maintenance Engineers qualified for ATR legacy aircraft who need to operate the Multi-Purpose Computer (MPC) System.

4.1 REFRESH AND TROUBLE SHOOTING

ATR LEGACY AIRCRAFT

4.1.4 MPC ADVANCED COURSE

Participants must have good knowledge of the English language

OBJECTIVES

To obtain or improve knowledge on MPC equipped ATRs regarding:

- The AFDAU/DMU Functions
- MPC Operation Practice
- MPC Troubleshooting and MMEL
- The MPC JICs (Job Instruction Card).

COURSE OUTLINE

This course includes a theoretical part taught by an instructor and using ACOS, PPT and an MPC Simulator for practice. Additional practical part can be done on aircraft.

DOCUMENTATION

• Training Notes Documentation and MPC JICs

PROGRAMME

DAY 1	DAY 2	DAY 3
MPC Presentation AFDAU/DMU Functions	MPC JICs	Aircraft MPC Practice (If aircraft available)
MPC TSM & MMEL	Simulation MPC Operation	

4.2 DOCUMENTATION 4.2.1 ATRN@V ATR MAINTENANCE DOCUMENTATION

WHO IS ELIGIBLE?

Maintenance personnel who want to be familiar with ATR maintenance documentation Participants must have good knowledge of the English language

OBJECTIVES

• To obtain or improve knowledge of ATR Maintenance Documentation and ADOC navigator utilisation

COURSE OUTLINE

This course comprises a theoretical part taught by an instructor, describing the different ATRN@v functionality and using practical exercises. The aim of this course is the use of technical documentation like AMM/ASM/AWM/IPC/JIC etc...

DOCUMENTATION

• Training Notes Manual and Maintenance Manual in electronic formats

PROGRAMME

DAY 1	DAY 2
ADOC Navigator & ATRN@v presentation	ASM & IPC manuals utilisation
AMM	JICs & SB interaction

2 DAYS

OUR TRAINING

4.2.2 STANDARD PRACTICES MANUALS ATR MAINTENANCE DOCUMENTATION

WHO IS ELIGIBLE?

Maintenance personnel who want to be familiar with standard practices on ATR aircraft systems.

4.2 DOCUMENTATION

Participants must have good knowledge of the English language.

OBJECTIVES

• To obtain or improve one's knowledge on ATA 20 / SPM maintenance documentation and SRM chapter 51.

COURSE OUTLINE

This course comprises a theoretical part taught by an instructor, using

- ATA 20 Mechanical Standard Practices
- SPM Electrical Standard Practices
- SRM Structure Standard Practices

DOCUMENTATION

• Maintenance Training Notes and Maintenance Manuals, as required.

PROGRAMME

DAY 1	DAY 2
SPM introduction	SRM / ATA 20 introduction
Practical exercise	Practical exercise

4.2 DOCUMENTATION 4.2.3 STRUCTURE REPAIR MANUAL (SRM) FAMILIARISATION COURSE

DURATION

3-4 DAYS

WHO IS ELIGIBLE?

Structure Repair Engineers

PREREQUISITES

- 1. To have Structure Repair experience.
- 2. To have good knowledge of the English language.

OBJECTIVES

• To provide Structure Repair knowledge on ATR structures using SRM (ATR Structure Repair Manual).

COURSE OUTLINE

All of the ATR Structure Repairs chapters in the manual are described.

DEPENDING ON THE TRAINEE'S EXPERIENCE. THE TRAINING LASTS 3 OR 4 DAYS

- For engineers with the ATR Structure experience, the SRM Familiarisation Course lasts 3 days including Exercises.
- For engineers without ATR structure experience, the first day is dedicated to ATR Structure Familiarisation, before completing the 3 days SRM Familiarisation Course.

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Also available: SRM and additional manuals if appropriate

PROGRAMME

SRM USE ONLY (3 DAYS)

DAY 1	DAY 2	DAY 3	
Structure & Regulation	Metallic Damage definition & criteria	Composite Damage definition & criteria	
SRM Breakdown	Metallic Damage Sketch build up	Composite Damage Sketch build up	
Final Assembly Line Visit (Toulouse only) or Aircraft Walkaround	S.R.M. Exercices	S.R.M. Exercices	

ATR STRUCTURE AND SRM USE (4 DAYS)

DAY 1	DAY 2	DAY 3	DAY 4
Structure Generalities	Structure & Regulation	Metallic Damage definition & criteria	Composite Damage definition & criteria
Structural Documentation Presentation	SRM Breakdown	Metallic Damage Sketch build up	Composite Damage Sketch build up
Structure Breakdown	Final Assembly Line Visit (Toulouse only) or Aircraft Walkaround	S.R.M. Exercices	S.R.M. Exercices
Propeller Information & Windows			

4.2 DOCUMENTATION 4.2.4 ATR MMEL/CDL MAINTENANCE COURSE

MMEL/CDL provides aircraft dispatch capability in case of systems malfunction.

WHO IS ELIGIBLE?

Line maintenance engineers.

OBJECTIVES

• To improve knowledge on MMEL/CDL and items associated with maintenance operations.

COURSE OUTLINE

This course allows, through practical exercises, the use of MMEL/CDL in order to learn how to release the aircraft after systems failure. All the maintenance operations included in the MMEL are explained to facilitate the release of the airplane

DOCUMENTATION

- Maintenance Training Notes (MTN)
- Also available: Ops documentation

4.2.5 ATR 42/72 MAINTENANCE PROGRAMME DEVELOPMENT PROCESSES (MSG3/MBRB) COURSE

WHO IS ELIGIBLE?

Airline representatives involved in Maintenance Programme Development processes (Maintenance Working Groups or Industrial Steering Committees).

ATR Engineering Support Department staff involved in Maintenance Programme Development.

4.2 DOCUMENTATION

PREREQUISITES

- 1. To have general knowledge of aircraft maintenance process and environment.
- **2.** Recommended but not compulsory: to have previously participated in MSG-3 Maintenance Working Group.

OBJECTIVES

- To describe Scheduled Maintenance Development based on MSG-3 logic and Maintenance Review Board Reports (MRBRs) presentations.
- To show how to compile the matching Maintenance Planning Document (MPD).

COURSE OUTLINE

The instruction provided throughout the ATR Scheduled Maintenance programme provides Scheduled Maintenance Development & Process information for familiarisation with the following: MSG-3 logic, Policy & Procedures Handbook (PPH), Maintenance Review Board Reports (MRBRs), the Maintenance Planning Document (MPD)...

DOCUMENTATION

• CD ROM.

ATR 42-400/500/72-212A (-500 or -600) or ATR 72-100/200 series or ATR 42-200/300 series

4.3.1 **ENGINE RUN-UP** COURSE

4.3 POWER PLANT

WHO IS ELIGIBLE?

 $Personnel\ who\ want\ to\ be\ qualified\ for\ test\ with\ engine\ running\ on\ ATR\ aircraft.$

PREREQUISITES

- **1.** To have completed the Engine Interface Systems theoretical course, and be category B1/B2 or certified equivalent.
- 2. To have good knowledge of the English language.
- 3. Assessment on aircraft if no ERU experience.

OBJECTIVES

- To familiarise the trainee with engine/propeller governing and control
- To familiarise the trainee with the start/shut down and emergency procedures as well as with procedures following failures, including engine checks and performance

COURSE OUTLINE

For the theoretical part, this course is held in class whilst for the practical part it is run on a simulator. It covers all operations relating to engine starts with battery and/ or GPU, static checks and engine run tests.

DOCUMENTATION

• Aircraft Run-Up Training Guide

PROGRAMME

DAY 1	DAY 2	DAY 3	DAY 4
Briefing Safety Controls Limitations Static Tests	Briefing Start/ shut-down Test with engine running	Briefing Start/ shut-down Failures Emergency procedures	Engine Run-Up Check on simulator / or on aircraft
Simulator	Simulator	Simulator	

WHO IS ELIGIBLE?

Personnel who want to update and refresh Engine Run-Up procedures.

PREREQUISITES

1. ERU qualification on one ATR Type Rating.

OBJECTIVES

• To enable the technician to carry out refresh Engine Run-Up tests and systems procedure in emergencies and failures conditions.

COURSE OUTLINE

The course is divided in two parts theoretical and practical.

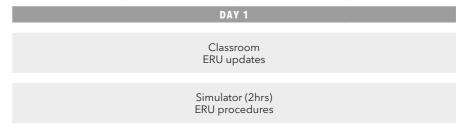
The theoretical part is taught in the classroom by an instructor for ERU tests procedures update.

The practical part is run on a simulator and it covers all operations relating to engine starts with battery and/or GPU, such as static checks, engine run tests and a strong emphasis on systems failure & emergency procedures.

DOCUMENTATION

• ERU training documentation

PROGRAMME



4.3 POWER PLANT 4.3.3 DIFFERENCES ENGINE RUN-UP COURSE

ATR 42-400/500/72-212A (-500 or -600) or ATR 72-100/200 series or ATR 42-200/300 series

WHO IS ELIGIBLE?

Personnel already qualified for Engine Run-Ups on one ATR aircraft type and who wish to be qualified for another ATR type.

PREREQUISITES

- 1. Held ERU on ATR relevant model
- 2. Power Plant and interface systems on required aircraft

OBJECTIVES

• To enable the technician to carry out Engine Run-Up on another ATR variant.

COURSE OUTLINE

For the theoretical part this course is held in class, whilst for the practical part it is run on a simulator. It covers all operations relating to engine starts with battery and/or GPU, such as static checks and engine run tests. The training module selection is by aircraft type.

FROM	ATR 42-200/300	ATR 72-100/200	ATR 42-400/500 72-500	ATR 42-600 72-600
ATR 42-200/300	N/A	2,5 DAYS	2,5 DAYS	3,5 DAYS
ATR 72-200/100	2,5 DAYS	N/A	1,5 DAY	3,5 DAYS
ATR 42-400/500/72-500	2,5 DAYS	1,5 DAY	N/A	2,5 DAYS
ATR 42-600/72-600	3,5 DAYS	3,5 DAYS	2,5 DAYS	N/A

N.B.: in case you want to cover all ATR models, ERU differences course duration is 5 days.

DOCUMENTATION

• Aircraft Run-Up Training Guide

2 DAYS

OUR TRAINING PHILOSOPHY

COURSE

4.3 POWER PLANT

WHO IS ELIGIBLE?

Technicians, technical managers with a basic understanding of the operation of a turbine engine, trained and/or experienced on PW100 Series engines.

4.3.4 BOROSCOPE INSPECTION

OBJECTIVES

- Identify the boroscope access ports and the engine areas which can be inspected
- Explanation and handling of the boroscope equipment
- Damage limits for relevant engine parts and interpretation of findings
- Recording of relevant data by use of record sheets and photographic / videoscopic equipment Course.

PROGRAMME

DAY 1

Theoretical Part:

Registration
Borescope Presentation
Borescopic Inspection on PW100
Engine overview
Scheduled Inspection - Cold Section
Scheduled Inspection - Hot Section
Non-Scheduled Inspection

DAY 2

Practical Part:

Opening access Task Implementation Closing access

Final test





4.3 POWER PLANT4.3.5 **ATR 42/72 500/600 PROPELLER**MODULE (HS 568F)

WHO IS ELIGIBLE?

Line and Base Maintenance Engineers qualified for ATR aircraft that need to operate on the propeller system HS 568 F (6 Blades Propeller) for line and base maintenance.

Participants must have good knowledge of the English language

OBJECTIVES

To obtain or improve knowledge on Propeller Systems for Trouble Shooting and Line maintenance operation:

- System description and operation
- System cockpit interface
- Components description and operation
- Trouble Shooting
- Riggings and PEC trim
- Technics of balancing
- Blade damage assessments
- Propeller technical documentation utilisation

COURSE OUTLINE

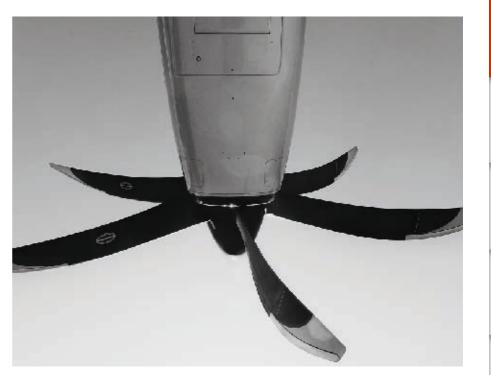
This course includes a theoretical part taught by an instructor using ACOS ATA 61, Simulation training tools (VPMT/Minitrainers) and a practical part on an aircraft.

DOCUMENTATION

• Training Notes ATA 61 and maintenance documentation HS and AMM- JICs

PROGRAMME

DAY 1	DAY 2	DAY 3
Theoretical Part: Propeller System and Subsystem description & operation	Theoretical Part: Propeller Protection & Indication Propeller Brake	Practical Part: Aircraft HS Tech Doc use Trouble Shooting
Theoretical Part: Propeller Components description & operation	Practical Part: Simulation Components Location Maintenance Procedure	Practical Part: Aircraft Rigging & PEC Trim Balancing Technics Blade damage assessment



4.3.6 PROPELLER BLADE LINE MAINTENANCE REPAIR COURSE (568F)

WHO IS ELIGIBLE?

Line & Base maintenance technician or engineer qualified for ATR aircraft that need to operate on the HS 568F (6 blades) propeller system Line & Base maintenance, perform blade damage assessment on the aircraft and perform basic repairs.

4.3 POWER PLANT

OBJECTIVES

Each student will be able to inspect and repair 568F-1 propeller blade according to the Maintenance Manual p5206.

COURSE OUTLINES

This course includes a theoretical part and a practical part taught by an instructor.

- Instructions will be given on blade design, safety characteristics and configuration. Common damaging modes, particular cases and maintenance best practices will be provided.
- Inspection will be performed on scrapped blade to identify areas that need
- Each student will be able to practice and to perform repairs on scrapped blade.

DOCUMENTATION

- Maintenance Manual p5206
- Other applicable documentation such as AI, SB, SIL and SIR.

PROGRAMME

Theoretical Part:

Blade design and configuration Damage assessment Maintenance best practices

Practical Part:

Blade inspection Erosion Coat touch up

DAY 2

Practical Part:

Blade inspection Deicer repairs Erosion film replacement

ABBREVIATIONS

ΑI Action Items Service Bulletin SB

SIR Service Information Release













10 DAYS

WHO IS ELIGIBLE?

Experienced B1/B2 or equivalent engineers wishing to become ATR Maintenance Instructors.

4.4 MATRI MAINTENANCE INSTRUCTOR

INSTRUCTOR COURSE

4.4.1 MATRI MAINTENANCE

PREREQUISITES

- 1. To have participated in an ATR Type Rating course T1 and/or T2
- 2. To have at least 5 years of relevant technical experience
- 3. To have good knowledge of the English language

OBJECTIVES

- To gain theoretical and practical know-how which is required to become an effective instructor who has a thorough understanding of the teaching process and of the instructor/examiner role.
- To enable the participant to implement the acquired knowledge and to transfer it to their future trainee.

COURSE OUTLINE

This course associates educational expertise with ATR's know-how in order to efficiently prepare the future instructor for his task. This course is divided into two parts: In the theoretical part, the trainee learns about human factors, pedagogical teaching techniques as well as EASA regulations. The practical part takes place both in the classroom and in the simulator so as to enable the trainee to put pedagogical techniques into practice straight away.

This course is conducted with a maximum of 4 attendees.

DOCUMENTATION

- EASA Part 147 extract
- Training documentation, including human factors and educational aspects

PROGRAMME

THEORETICAL PART

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Course Presentation	Briefing	Briefing	Briefing	Briefing
EASA Instructor Regulation	Examination/ Debriefing	Human Factors	Human Factors	Teaching Techniques
EASA Instructor Regulation	ATR Technical Documentation	Pedagogical Factors	Pedagogical Factors	Teaching Techniques
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

PRACTICAL PART

DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
Briefing	Briefing	Briefing	Briefing	Briefing
Instructor Guide Preparation	Instructor Guide Preparation	Instructor Guide Preparation	Instructor Guide Preparation	Teaching Practice (simulator)
Teaching Practice (classroom)	Teaching Practice (classroom)	Teaching Practice (classroom)	Teaching Practice (simulator)	Teaching Practice (simulator/vpf)
Debriefing	Debriefing	Debriefing	Debriefing	Debriefing

GENERAL TERMS ND CONDITIONS 4.4.2 MATRI MAINTENANCE INSTRUCTOR 4.4.2 MATRI MAINTENANCE INSTRUCTOR REFRESH COURSE

WHO IS ELIGIBLE?

Instructors who wish to update their knowledge of new teaching tools and regulatory developments.

PREREQUISITES

- 1. Having followed the course MATRI
- 2. Good knowledge of the ATR aircraft
- 3. Good English level

OBJECTIVES

- To refresh the required knowledge.
- To be informed and trained with the latest tools.
- To update knowledge of regulations.
- To raise awareness on the safety management systems.
- To review the human factors aspect

COURSE OUTLINE

This course is conducted with a maximum of four attendees in a classroom.

DOCUMENTATION

• MATRI Refresh TN and cockpit layout

PROGRAMME

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Welcome Regulation EASA	Human factor	Safety Management System	Pedagogical Exercise	Pedagogical Exercise
MTOE	Human factor	Maintenance errors	Preparation	Preparation
Examination ACOS LMS	Human factor	Safety and Precaution Training	Execution	Execution
New Teaching Methods	Human factor	Events and incidents Analysis	Debriefing	General Debriefing Conclusion

4.5 REPAIR AND ASSESSMENT 4.5.1 COMPOSITE REPAIR COURSE

WHO IS ELIGIBLE?

Personnel having to carry out advanced composite repairs on materials such as fibreglass, aramid, Kevlar and carbon.

PREREQUISITES

- 1. To be an experienced aircraft maintenance engineer.
- 2. To have good knowledge of the English language.
- 3. Minimum 3 engineers, maximum 6 engineers.

OBJECTIVES

- To gain thorough knowledge of the materials
- To enable the trainee to perform advanced composite repairs

COURSE OUTLINE

This course covers 5 modules:

- Materials
- Utilisation
- Application
- Non Destructive Testing
- Repairs

PROGRAMME

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
 Welcome & Introduction Expectations Questions Introduction to fiber Reinforced Composite Materials ATR Structure General Description ATR SRM Repair Environment Health & Safety Repair Materials Equipment	Vacuum Bag Schedule Composite Processing and Introduction to Prepreg Materials Special Precautions Cure Cycles Anita Hot Bonder Thermocouples Heat Blankets	 Test Panel Fabrication Core Material Ply Orientation Layup Vacuum Bag Cure Cycle Trim and Inspect Prepreg Layup Test Layup and Cure (Time Permitting) Uni-Directional Tape and Ply Orientation 	• Test Panel Repair - Damage - Assessment - SRM Evaluation - Damage Removal - Clean and Prep - Drying Cycle - Repair Materials - Core Repair Install - Repair Ply install - Vacuum Bag - Cure Cycle	 Repair Inspection NDT TestingUltrasonic Presentation Destructive Inspection of Test Panel Review and Questions Conclusion

DURATION

8. GENERAL TERMS AND CONDITIONS

WHO IS ELIGIBLE?

Technical staff dealing with any level of maintenance on aircraft electrical wiring, maintenance, inspections, alterations or repairs on EWIS (Electrical Wiring Interconnection System):

- Group 1: Qualified staff performing EWIS maintenance 5 day course duration
- Group 2: Qualified staff performing maintenance inspections on wiring systems 5 day course duration
- Group 3: Qualified staff performing electrical/avionic engineering on in-service aircraft 3 day course duration

Participant must have a good knowledge of the English language.

OBJECTIVES

- To adequately evaluate the aircraft electrical installation and effectively use the applicable aircraft wiring documentation.
- To ensure that proper procedures and practices are used when performing maintenance actions so that the reliability of aircraft wiring is improved.
- To know the different types of inspection, human factors in inspection, zonal areas and typical damage.
- To know the contamination sources, material, cleaning and protection procedure.
- To know the procedure to identify, inspect and find the correct repair for typical type of connective devices found on the airplane.
- To demonstrate and practice on different connection plugs, wires, using the appropriate tools.

COURSE OUTLINE

The course comprises a theoretical part taught by an instructor using course & SPM documentation and a practical part.

DOCUMENTATION

• Maintenance Training Notes (MTN) in electronic format

PROGRAMME

GROUP 1 & 2: 5 DAYS PROGRAMME

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Introduction Safety procedure Tools Wire test	Wire documentation SPM WDM Cables type, identification Exercices	Zonal Inspection Damage assessment Connector type, identification Exercises	Inspection types Human factor Cleaning Contamination Prevention	Connectors repair Exercises

GROUP 3: 3 DAYS PROGRAMME

DAY 1	DAY 2	DAY 3
Wire documentation SPM WDM Cables type, identification	Zonal Inspection Damage assessment Connector type, identification	Inspection types Cleaning Contamination Prevention

4.5.3 ATR 42/72 500/600 NON DESTRUCTIVE TESTING MODULE

WHO IS ELIGIBLE?

NDT inspectors Level 1, Level 2 or who want to gain experience for the NDT certification.

4.5 REPAIR AND ASSESSMENT

Participants must have good knowledge of the English language.

OBJECTIVES

• To obtain or improve knowledge of the application of the NDTM (Non Destructive Testing Manual) procedures for ATR on all or some of the NDT methods used for the inspection of ATR aircraft.

DOCUMENTATION

• Training course and ATR NDTM













PROGRAMME

DAY 1

Theoretical Part1:

General and Specific NDT reminder course

- General reminder course of the basic theory for main NDT methods: UT, ET, PT.
- Specific course applied to ATR components based on the NDTM procedures.

Practical Part²:On Job Training on Aircraft

DAY 2 TO DAY 5

according to the number of methods/

procedures to be reviewed²

- Eddy Current: HF, LF, Conductivity, Thickness Meas., Rotating Probes.
- Ultrasonics: engine nacelle, front spar, rear spar, corrosion mapping, remaining thickness meas, UT on composite components....
- Penetrant on engine mount.
- (1) Theoretical and practical part: 6 trainees max
- (2) Contact ATR Training Center to define the content (methods/procedures) of such Practical Part

This course can be provided on the customer's premises

Upon request ATR Training Center can provide:

- Level 1, 2 and 3 standard NDT trainings (for certification purpose) EN4179 / NAS 410
- Specialised NDT trainings:
 - Digital X-rays
 - Ultrasonic Immersion
 - Ultrasonic Phased Array
 - Eddy Current Array
 - Composite Materials Inspection
 - NDT initiation
 - Materials Initiation
 - Materials Advanced

410

Contact atc@atr-aircraft.com for scheduling

GENERAL TERMS
AND CONDITIONS

WHO IS ELIGIBLE?

Line and Base Maintenance Engineers qualified for ATR that need to operate on aircraft for line maintenance (ATR 500 & 600 series).

OBJECTIVES

The course objective is to raise technicians awareness of preventive maintenance actions to take into account during aircraft line operation. These preventive actions can avoid system deterioration and improve a/c reliability.

COURSE OUTLINE

A few examples of preventive maintenance actions:

- To avoid boots de-icing pneumatic deterioration and consequently leak fault, you can use specific protection
- Cargo door proximity switches adjustment
- Landing Gear (doors adjustment / cleaning / lubrication / preventive maintenance inspection)
- Air Conditioning (check / cleaning / Heat exchanger)
- Propeller (packaging /cleaning / preventive maintenance)
- Engine (compressor / turbine washing and PWC recommendations)
- Electrical system (DC & AC generators inspection and cleaning)
- Lighting (lighting systems removal & installation recommendation)
- Walkaround focus points/ Towing & Servicing precaution / Packaging...

PROGRAMME

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Theoretical Part				
Theoretical Part				
Aircraft visit 1h (if available)				

PAMO course can be customised to follow customer needs (fleet performance analysis)







. GENERAL TERMS IND CONDITIONS All our theoretical courses can be conducted on customer sites, provided that customers comply with our Part 147 Maintenance requirements.

In addition, ATR Training Center's sales department is able to quote any special course package.

Note: for services in situ, in addition to the instructor lease fee, the instructor's travel/living expenses, (including but not limited to a return flight ticket in business class, hotel accommodation and living expenses) will be charged to the customer by ATR Training Center and subjected to a 15% service charge.



6.1 **GENERAL EQUIPMENT**

OUR TRAININ

MAINIENANCE COURSES TYPE ATING PART 147

E-LIBRARY

We offer our customers free of charge access to Personal Computers (PCs) containing the training modules and documentation developed by ATR/ATR Training Center such as:

- ACOS and ACOS² trainer
- Upset recovery training module
- Refueling panel training module
- "Cold Weather Conditions" training module
- Performance training module
- Worldwide Electronic Jeppesen charts (e-link)
- Aircraft documentation
- Simulator Instructor Operating Station documentation





FLIGHT PANEL TRAINER (FPT)

We offer customers free of charge access to the FPT flight deck simulators, highly sophisticated LCD touch panel based training devices that allow trainees to view and handle all panels, controls, indicators and displays within a complete free-play 2D flight deck environment.

All Aircraft systems are fully simulated and the FPTs are capable of displaying characteristics of the actual aircraft. Panels are displayed and located in the correct position allowing panel location and cockpit flows/ scans to be taught and practised. All the scans, normal and abnormal procedures can be taught with this training equipment. In addition, it features full interactivity with Flight Deck simulation with the systems schematics displayed on two dedicated screens.

Systems Validation, Procedures Validation, Line Oriented Evaluations and Line Oriented Flight Training (LOFT) can be accomplished and practised in the FPT. High A/C systems simulation reliability identical to simulator quality provides highly accurate and detailed representations of aircraft equipment.

Our FPT integrates computer hardware, PC stations, and graphics.

Currently, ATR operates the following Flat Panel Trainers (FPT): Virtual Hardware Panel™ (VHP™), Virtual Procedure Trainers™ (VPT™) and Maintenance & Flight Simulation Training Devices™ (MFSTD™).

6.2 ATR TRAINING CENTER SIMULATORS

ATR TRAINING CENTER SIMULATORS

Our simulators are capable of supporting Training Scenarios for Weather Radar, Traffic Collision Avoidance Systems (TCAS change 7.0/7.1) and Enhanced Ground Proximity Warning Systems (EGPWS).

Every ATR Training Center Full Flight Simulator is fitted with a Debriefing Station which, with the accumulation of cockpit sound and video simulations, offers the most comprehensive and accurate records and replays of key flight parameters, such as the position of cockpit flight controls during the session.

Password-protected for complete confidentiality, the Debriefing Station is proving to be an invaluable modern instructor tool for debriefing. It not only frees instructors from having to take hand-written notes, but it also provides readily storable and reviewable records of training sessions as a whole, for later use.

The Debriefing Station is yet another strong motivator for choosing ATR Training Center for your training needs!

THE CURRENT TECHNICAL CONFIGURATION OF OUR TRAINING CENTERS IS:

			T	ULOUSE		
	ATR 42-300					FPT
FFS level	ATR 42-500 ATR 42-500 ATR 72-200 ATR 72-212A	F	FT	ATR 42-300 ATR 42-500 ATR 72-200	VPT™	ATR 42-300 ATR 72-500
	(500) ATR 72-600		ATR 72-212A (500)		VHP™	ATR 72-600
	ATK 72-000				$MFSTD^{\mathsf{TM}}$	ATR 72-600
		A RIVERSION OF THE PARTY OF THE				

Both standard and specific visuals are available on these devices.

	PARIS
FFS level D	ATR 72-212A (500)
VPTTM	ATR 72-212A (500)
A STATE OF	ACT.
7	
	P

JOHA	ANNESBURG
FFS level D	ATR 42-300 ATR 42-500 ATR 72-200 ATR 72-212A (500)
VPTTM	ATR 72-212A (500)

4	
	MIAMI
FFS level D	ATR 72-600
MFSTD™	ATR 72-600
	ATR

SINGAPORE

MFSTD™ ATR 72-600

FFS level

6.3 CBT (COMPUTER-BASED TRAINING) ACOS/ACOS², ATR COURSEWARE

OUR TRAININ PHILOSOPHY

COURSES TYPE

As the contents of the ACOS are considered to be the minimum knowledge required for ground crew working daily on ATR aircraft, ATR Training Center maintenance instructors will provide their own experience and knowledge and capitalise on the convenience of using teaching material which can be shared with trainees.

The ATR 42/72 ACOS is a state-of the-art and ATR exclusive Computer Based Training (CBT) programme for Pilots, A/C Maintenance Mechanics and Engineers, and Cabin crews.

ACOS has been developed using Windows™-based multimedia tools incorporating 3D graphics and animation, as well as high quality digital photos to improve realism and training efficiency. Navigation throughout the courseware is easy since the trainee can move forwards or backwards as required. Each section of the course is automatically "ticked off" to indicate completion.

All our products are provided with dedicated help documentation.

COURSEWARE IS AVAILABLE FOR EACH OF THE FOLLOWING ATR AIRCRAFT VERSIONS

ATR 42-300ATR 42-500

- ATR 72-200
- ATR 42-600
- ATR 72-500
- ATR 72-600

PILOT COURSES

The pilot course describes all ATR A/C series and all aircraft systems. The course describes normal and abnormal operations in a practical and interactive way. It teaches all aircraft systems and other essentials.

Virtual checklists prompt the trainee to move the appropriate switch or lever; the resulting effects can be seen on coupled system diagrams. A total of 35 hours of CBT for each aircraft variant is available in order to enable completion of the full systems training for all ATR Type Ratings.

Dedicated modules for Recurrent Training are available as well.

CABIN CREW

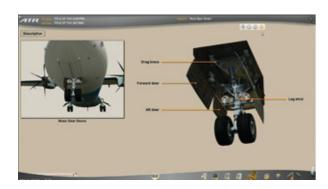
The ATR Cabin crew courseware comprises the following modules:

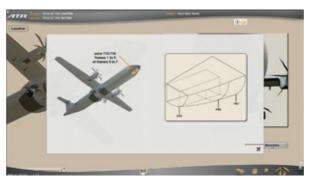
- Aircraft familiarisation
- Aircraft systems and equipment
- Normal flight procedures
- Emergency procedures

It is a full multimedia product including real life pictures. The ATR Cabin crew CBT includes 12 hours of theory tuition.

A/C MAINTENANCE MECHANICS & ENGINEERS

The ATR CBT for A/C Maintenance Engineers describes all ATR A/C series and all types of mechanic and engineer qualifications (Electrical/Mechanical, Avionics). All ATA chapters are covered at a EASA PART 66 level III specification. Specific modules have been added, for examples, technical publications and aircraft structure. Exercises are conducted by the individual trainee to perform testing/checks or removal and installation. Introduction to troubleshooting practises is also included. In total, 120 hours of CBT per aircraft variant are taught.







ACOS/ACOS² INSTALLATION SUPPORT AND ASSISTANCE

COURSE OUTLINE

5 hours; including checks and advice to settle the technical prerequisites before installation and support for installation

ASSISTANCE LEVEL 1

10 hours; including advanced checks and advice to settle the technical prerequisites before installation and support for installation

ASSISTANCE LEVEL 2 (2 DAYS)

- Advanced checks and advice to settle the technical prerequisites before installation
- Remote full installation of the purchased tools by ATR

Note: Customer must have completed all the prerequisites

ASSISTANCE LEVEL 3 (3 DAYS)

- On-site advanced checks and advice to settle the technical prerequisites before installation
- On-site full installation of the purchased tools by ATR

Notes:

- Customer must have completed all the prerequisites.
- Travel & accommodation excluded.
- -The ACOS/ACOS² does not include any syllabus, it is the customer's responsibility to customize its own courses.





ATR Training Center has developed unique 3D trainers, which are used daily by our students. These unrivalled tools allow the best training in all our training centers.

ATR VIRTUAL CABIN PROCEDURE TRAINER (AVCPT)

ATR Virtual Cabin Procedure Trainer is a 3D computer-based training tool dedicated to cabin crew staff training. Its aim is to apply operational procedures in a 3D virtual environment by interacting with the elements of the Aircraft, as follows:



- The guided and semi-guided modes help the trainee to understand the whole procedure step by step;
- The free mode gives the ability to the trainee to test themselves and check their own results.

ATR Virtual Cabin Procedure Trainer is provided for ATR 72-600 aircraft and allows to train on the 14 main cabin crew procedures.

This trainer is also available for sale.

ATR WALKAROUND TRAINER (AWT)

ATR Walkaround Trainer is a 3D computer-based training tool reproducing the pre-flight check list done by pilots around the Aircraft before every flight. This trainer is designed as follows:



- The guided and semi-guided modes help the trainee to understand the whole procedure step by step;
- The free mode gives the ability to the trainee to test themselves and check their own results.

ATR Walkaround Trainer is provided for ATR 42-300, ATR 72-500, ATR 42-600 and ATR 72-600. This trainer is also available for sale.

ATR COMPONENT LOCATION SOFTWARE (ACLS)

ATR Component Location Software is a 3D computer-based training tool dedicated to maintenance staff training. The components are reproduced in a 3D environment enabling the trainees to locate their exact places in the Aircraft. They are also associated to their technical descriptions and linked to the operational documentation.



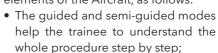
This training tool is used for maintenance practical training and is recognised by EASA authority as a MSTD (Maintenance Simulation Training Device).

ATR Component Location Software is available for ATR 42-300, ATR 72-500, ATR 42-600 and ATR 72-600 aircraft.

Note: ATR has developed a specific version of ACLS dedicated to its customers which is available for sale.

ATR VIRTUAL MAINTENANCE PROCEDURE TRAINER (AVMPT)

The AVMPT is a 3D computer-based training tool dedicated to maintenance staff training. Its aim is to apply operational procedures in a 3D virtual environment by interacting with the elements of the Aircraft, as follows:





• The free mode gives the ability to the trainee to test themselves and check their own results.

ATR Virtual Maintenance Procedure Trainer is available for ATR 42-300, ATR 72-500, ATR 42-600 and ATR 72-600 aircraft. It provides training on 30 procedures for each A/C version.

Note: This trainer is not available for sale.

The ATR Training Center Multimedia Training Tools can be purchased under the following packages:

	ATR 42-30	AIRCRAFT 0/320/500 0/210/500	GLASS COCKPIT AIRCRAFT ATR 42/72-600		
	PILOT & ATTENDANT MAINTENANCE PILOT & ATTENDANT MAINTENANCE			MAINTENANCE	
INITIAL PACKAGE	ACOS Pilot: Type rating and Differences Course / Attendant: Complete Course	ACOS LBAS	ACOS ² Pilot: Type rating and Differences Course / Attendant: Complete Course	ACOS² (LBAS)	
ADDITIONAL 3D PACKAGE	AWT 42-300, 72-500	ACLS 42-300, 72-500	AWT AVCPT 72-600	ACLS (72-600, 42-600)	
PREMIUM PACKAGE	ACOS Pilot: Type rating and Differences Course / Attendant: Complete Course AWT 42-300, 72-500	ACOS LBAS ACLS 42-300, 72-500	ACOS ² (Pilot: Type rating and Differences Course / Attendant: Complete Course AWT AVCPT (72-600)	ACOS ² (LBAS) ACLS (72-600, 42-600)	

Note: the ACOS/ACOS² does not include any syllabus, it is the customer's responsibility to customize its own courses. ATR has developed a specific version of ACLS dedicated to its customers which is available for sale.

The following prerequisites are available for the full range of ATR Training Center Multimedia Training tools.

NETWORK CONFIGURATION

HARDWARE

	ITEM	MINIMUM	RECOMMENDED
DE	Available disk space	500GB SAS or SATA @10.000 rpm	1 000GB SAS or SATA @15.000 rpm or greater
ER SI	Processor	Quad core 2Ghz	Quad core 3Ghz or faster
ER	Memory	8 GB RAM	16 GB RAM or greater
O ,	Network Adapter	Gigabit Ethernet card	Gigabit Ethernet card
	Processor	Dual core 2 Ghz	Quad core 3Ghz or faster
<u> </u>	Memory	2 GB RAM	4 GB RAM or greater
NTS	Network Adapter	10/100 Ethernet card	Gigabit Ethernet card
	Graphic card	Compatible DirectX9 Shaders Model 3.0 - 256 Mo RAM. Ex: NVIDIA Geforce 6	Compatible DirectX9 with support shaders 3.0 - 512 Mo RAM or greater - Ex: type NVIDIA Geforce FX, NVIDIA Geforce 6, etc)

ITEM	VERSION
On a satisfact Contains	Microsoft windows server 2003 SP2 - EN version
Operating System	Microsoft windows server 2008 R2 - EN version
Web Browser	Internet Explorer 8 or later
Plug ins	Flash Player 11 or later AND Silverlight 5.1 or later
DirectX	DirectX 9.0c or later
Framework	Framework .NET 3.5 or later
Web application	Silverlight 5.1 or later

SOFTWARE

STAND ALONE CONFIGURATION

HARDWARE SOFTWARE

	ITEM	MINIMUM	RECOMMENDED	ITEM	VERSION
	Í				
RSIDE				Operating System	Microsoft windows XP All version
SERVE				Operating System	Microsoft windows Seven All versions
	Available disk space	250 GB SAS or SATA	500 GB SAS or SATA @ 10 000 RPM	Web Browser	Internet Explorer 8 or later
<u> </u>	Processor	Dual core 2 Ghz	Quad core 2Ghz or faster	Plug ins	Flash Player 11 or later AND Silverlight 5.1 or later
Į.	Memory	2 GB RAM	4 GB RAM or greater	DirectX	DirectX 9.0c or later
Graphic card	Compatible DirectX9 Shaders Model 3.0 - 256 Mo RAM. Ex: NVIDIA Geforce 6	Compatible DirectX9 with support shaders 3.0 - 512 Mo RAM or greater Ex: type NVIDIA Geforce FX, NVIDIA Geforce	DirectA	DirectX 7.00 of later	
			Framework	Framework .NET 3.5 or later	
		LA. INVIDIA GOIOICE U	/		

6.7 ATR TRAINING CENTER MAINTENANCE TRAINING TOOLS

FROM THEORETICAL TO PRACTICAL TRAINING

ATR has made training one of its priorities. From theoretical to practical training, our top-notch instructors ensure the best progress of our students thanks to modern facilities, state-of-the-art devices and unique tools.

CUTTING-EDGE COMPUTER-BASED APPLICATIONS ALLOW THE BEST VIRTUAL TRAINING

- ATR Courseware (ACOS & ACOS2)
- 3D Walkthrough (AWT)
- 3D Component Location (ACLS)
- 3D Virtual Maintenance Procedure (AVMPT)*

ULTRAMODERN TRAINING DEVICES ALLOW OUR STUDENTS TO PERFORM COMPLETE MAINTENANCE TASKS BEFORE PRACTISING ON AIRCRAFT

- Full Flight Simulators (FFS)
- Maintenance and Flight Simulation TrainersTM (MFSTDTM)
- Briefing and debriefing stations

OUR MODERN FACILITIES OFFER A TOTALLY UNRIVALED TRAINING ENVIRONMENT THAT ONLY A MANUFACTURER CAN PROVIDE

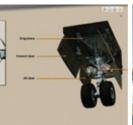
- ATR Final Assembly Line
- Hangar PART 145
- Workshop
- High standard classrooms























MOBILE CLASSROOM: HOME BASED DEDICATED SOLUTION!

ATR Training Center offers high level education with reduced costs (travel & accommodation).

Modern and innovative way to learn and highest cost-cutting solution on the market!









7. GLOSSARY 7. GLOSSARY

A/C	Aircraft	CCAS	Centralized Crew Alerting System	FDM	Flight Data Monitoring
ACLS	ATR Component Location Software	ССОМ	Cabin Crew Operations Manual	FE/FI	Flight Examiner/Instructor
ACOS	ATR Courseware - Aircraft Certification Office	CDL	Configuration Deviation List	FFS	Full Flight Simulator
	Subsystem	СМС	Central Maintenance Computer	FFT	Full Flight Trainer
ADS-B	Automatic Dependent Surveillance-Broadcast	CRM	Crew Resource Management	FH	Flight Hours
AFCS	Automatic Flight Control System	DDG	Dispatch Deviation Guide	FIF	Flight Instructor Familiarisation
AFM	Airplane Flight Manual	DGAC	Direction Générale de l'Aviation Civile	FMS	Flight Management System
АНМ	Airplane Health Management	EASA	European Aviation Safety Agency	FOS	Flight Operations Software
AMM	Aircraft Maintenance Manual	EDP	Electronic Data Processing	FPT	Flat Panel Trainer
AOC	Airline Operational Control	EFATO	Engine Failure After TakeOff	GNSS	Global Navigation Satellite System
APM	Aircraft Performance Monitoring	EFB	Electronic Flight Bag	GPU	Ground Power Unit
ASM	Aircraft Schematics Manual		g g		
ATA	Air Transport Association of America	EFIS	Electronic Flight Instrument System	IATA	International Air Transport Association
АТО	Approved Training Organisation	EGPWS	Enhanced Ground Proximity Warning Systems	ICAO	International Civil Aviation Authority
ATPL	Airline Transport Pilot Licence	EIS	Entry Into Service	IPC	Illustrated Parts Catalog
AVCPT	ATR Virtual Cabin Procedure Trainer	ELT	Entry Level Training	JIC	Job Instruction Card
AVMPT	ATR Virtual Maintenance Procedure Trainer	EOSID	Engine Out Standard Instrument Departure	LBAS	Line Base All System
AVS	Avionics System	ERU	Engine Run-Up	LOFT	Line Oriented Flight Training
AWM	Aircraft Wiring Manual	EWIS	Electronic Wiring Interconnection System	LPC	License Proficiency Check
	5	FAL	Final Assembly Line	LPV	Localizer Performance with Vertical guidance
AWT	ATR Walkaround Trainer	FAR	Federal Aviation Regulations	LRU	Line Replaceable Unit
B-VNAV	Baro-VNAV	FCOM	Flight Crew Operating Manual	мсс	Multi Crew Coordination
CAA	Civil Aviation Authority	FCTM	Flight Crew Training Manual	MCDU	Multifunction Control Display Unit
СВТ	Computer-Based Training Competency-Based Training	FCU	Fan Coil Unit	MCF	Maintenance Check Flight
			: =:: ==:: =:!!\$		

MEL	Minimum Equipment List	SCAP	Standard Computerized Airplane Performance
MFSTD™	Maintenance and Flight Simulation Training Device™	SFE/SFI	Synthetic Flight Examiner/Instructor
МІ	Maintenance Instructor	SID	Standard Instrument Departure
MMEL	Master Minimum Equipment List	SOP	Standard Operating Procedures
MPC	Multi-Purpose Computer	SPM	Standard Practices Manuals
MPD	Maintenance Planning Document	SPS	Single-point Performance Software
MRBR	Maintenance Review Board Report	SRM	Structure Repair Manual
MTN	Maintenance Training Notes	STD	Synthetic Training Device
MTOE	Maintenance Training Organization and Exposition	TCAS	Traffic Collision Avoidance Systems
NDT	Non Destructive Testing	TEM	Threat & Error Management
NSA	National Supervisory Authority	TIS	Trainee Information Sheet
OFP	Operational Flight Plan	TRE/TRI	Type Rating Examiner/Instructor
OPC	Operators Proficiency Check	TSM	TroubleShooting Manual
OSD	Operational Suitability Data Report		-
PART FCL	Flight Crew License	UPRT	Upset Prevention and Recovery Training
РВМ	Pre-Broadcast Monitoring	VCPT	Virtual Cabin Procedure Trainer
PBN	Performance-Based Navigation	VНР™	Virtual Hardware Panel™
PIC	Pilot In Command	VMPT	Virtual Maintenance Procedure Trainer
PPH	Policy & Procedures Handbook	VPT™	Virtual Procedure Trainer™
QAR	Quick Access Recorder	WBM	Weight and Balance Manual
QRH	Quick Reference Handbook	WBT	Web Based Training
RNP-AR	Required Navigation Performance - Authorization Required	WDM	Wiring Diagram Manual



8. DRY & WET TRAINING & SERVICES

Unless otherwise agreed in writing by both Parties, these General Terms and Conditions shall apply in respect of any quotation issued by ATR Training Center, and/or Agreement in relation to the sale of Services. Any silence from ATR Training Center related to any provisions of any documents emanating from the Customer shall not be interpreted as a waiver by ATR Training Center of the present General Terms and ConditionsThese General Terms and Conditions form an integral part of the Agreement and shall take precedence over any document and/or provision emanating from the Customer or implied by law, trade custom, practice or course of dealing regarding the same subject matter in the case that such provisions are in contradiction with the present General Terms and Conditions. The Customer's silence or use of Services constitutes its acceptance to these General Terms and Conditions.

CONTENTS

1. Definitions - Interpretation - Order of precedence	74
2. Supply of training services	76
3. Administrative conditions	76
4. Course qualification	76
5. Training equipment	76
6. Prices	77
7. Taxes	77
8. Payments	77
9. Cancellation of training services	78
10. Intellectual property	
11. Confidentiality	
12. Termination	79
13. Excusable delay	80
14. Hardship	80
15. Liability and disclaimer	80
16. Indemnity	81
17. Insurance	81
18. Export control	82
19. Severability	82
20. Entire agreement	82
21. Survival	82
22. Notices	82
23. Assignment of contract	83
24. Sub-contracting	83
25. No waiver	83
26. Law / jurisdiction	83
27. Immunity	83
28. Costs and expenses	83

1. DEFINITIONS - INTERPRETATION - ORDER OF PRECEDENCE

1.1. Definition

Unless otherwise defined, capitalized terms, singular or plural, used in these General Terms and Conditions shall have the meaning set out below:

"Affiliate" means, with respect to any entity, any entity Controlled by, Controlling or under Common Control with, the first entity.

"Agreement" means any agreement entered into by the Parties under these General Terms and Conditions when (i) a quotation made by ATR Training Center is accepted by the Customer or (ii) an Order is accepted by ATR Training Center or (iii) any other document that makes reference to the Order or is referred to by the Order accepted by ATR Training Center, including the Specific Conditions.

"ATR" means "Avions de Transport Regional" GIE, a "Groupement d'Intérêt Economique" established under the laws of France, identified under n° 323 932 236 RCS (Trade Register) Toulouse, with its registered office located at 1, allée Pierre Nadot, 31712 Blagnac Cedex, France or any other details, address and/or successor's and/or assignee's details to be communicated by ATR Training Center from time to time.

"Confidential Information" has the meaning set forth in Clause 11 of these General Terms and Conditions.

"Controlled by", "Controlling", "Common Control" are to be interpreted in accordance with article L.233-3 of the French Commercial Code which provides:

I. A company is deemed to control another company:

- When it directly or indirectly holds a fraction of the capital that gives it a majority of the voting rights at that company's general meetings;
- II. When it alone holds a majority of the voting rights in that company by virtue of an agreement entered into with other partners or shareholders and this is not contrary to the company's interests;
- III. When it effectively determines the decisions taken at that company's general meetings through the voting rights it holds;
- IV. When it is a partner in, or shareholder of, that company and has the power to appoint or dismiss the majority of the members of that company's administrative, management or supervisory structures.
- II. It is presumed to exercise such control when it directly or indirectly holds a fraction of the voting rights above 40% and no other partner or shareholder directly or indirectly holds a fraction larger than its own.
- III. For the purposes of the same sections of the present chapter, two or more companies acting jointly are deemed to jointly control another company when they effectively determine the decisions taken at its general meetings."

"Customer" means a company or a person purchasing the Services from ATR Training Center.

"Day(s)" means calendar day(s).

"**Default**" means when a Party fails to execute any of its material obligations under the Agreement and does not remedy the same within ten (10) Days (or such extended period granted by the non-defaulting Party within the hereafter Notice), as receipt of a Notice of default from the non-defaulting Party. Will be deemed as material obligations without the following being exhaustive:

- I. any Customer's payment obligations;
- II. any Customer's insurance obligations as per Clause 17 ("Insurances");
- III. any Party's obligations which by its nature and/or context is intended to be material.

"**Dry Training**" means the use by the Customer of the Training Equipment, in the course of the Dry Training programme.

"FFS" means a Full Flight Simulator.

"General Terms and Conditions" means these "ATR Training Center General Terms and Conditions of Sale for the Supply of Training Services - Dry and Wet Training Services", which form an integral part of the Agreement and unless otherwise provided by the Parties, shall take precedence over and exclude any other terms and conditions appearing or referred to in any acceptance form, purchase order, Customer's general or specific terms and conditions, or other document or letter emanating from the Customer or implied by law, trade custom, practice or course of dealing, regarding the same subject matter.

"Intellectual Property Right(s)" or "IP Right(s)" means without limitation, ATR Training Center's copyright, registered and unregistered design rights, moral rights, patents and patent applications, registered and unregistered trademarks, including any applications for the same, registered and unregistered drawings, specifications, proprietary information, trade secrets, know-how, rights of confidentiality and other rights of a like nature throughout the world.

"**Materials**" means training materials and documentation as may be supplied by ATR Training Center to the trainees attending the Training Services.

"Notice" has the meaning set forth in Clause 22 of these General Terms and Conditions.

"**Order**" means any written request for Services made by the Customer and sent to ATR Training Center. Any Order shall be deemed to be made under the General Terms and Conditions.

"Party(ies)" means individually or collectively, as the context requires, ATR Training Center and/or the Customer.

"Payment in advance" or "PIA" means payment of Price by the Customer to ATR Training Center prior to the performance of the Services. "**Price List**" means the list of prices charged by ATR Training Center to the Customer and enclosed in the ATR Training Center price catalogue.

"Sale and Purchase Agreement" or "SPA" means the agreement between the Customer and ATR for the sale of ATR aircraft, providing for the conditions of the Training Services.

"Services" means the Training Services and/or Materials supplied by ATR Training Center and offered to or required by the Customer.

"Specific Conditions" means the SPA, the TSA and/or any provisions differing from or completing these General Terms and Conditions, appended by ATR Training Center to (I) its quotation, and/or to (II) any agreement referred to by the quotation or referring to the quotation, that has been expressly entered into by both Parties, such as a letter of engagement or the like, which shall prevail on any provision of these General Terms and Conditions, as relevant.

"Taxes" has the meaning set forth in Clause 7 of these General Terms and Conditions.

"**Trainee**" means an individual undergoing training conducted by ATR Training Center under an Agreement between ATR Training Center and the Customer for that person.

"Training Center" means ATR Training Center premises located at Blagnac, France or any ATR Training Center premises all over the world such as ATR Training Center Singapore, ATR Training Center Paris, ATR Training Center Johannesburg, ATR Training Center Miami or any other ATR Affiliate offering Training & Services in accordance with ATR Training Center's training standards and policy, as relevant.

"**Training Equipment**" means a flight training device, a flight simulator (including the FFS) and/or any equipment used to provide Training Services for ATR aircraft.

"**Training Instructors**" means qualified Type Rating Instructors, Type Rating Examiners, Ground Instructors and/or Simulator Flight Instructors.

"Training & Services" means DRY Training and/or Wet Training related to the use of the Training Equipment or any other Services provided by ATR Training Center.

"Training & Services Agreement" or "**TSA"** means the agreement between the Customer and ATR Training Center providing the specific conditions of the Training & Services. The General Terms and Conditions apply to the TSA.

"**Wet Training**" means the use of Training Equipment and the purchase of training courses taught by Training Instructors.

1.2. Interpretation and order of precedence

- 1.2.1. In these General Terms and Conditions save as otherwise expressly indicated to the contrary, any reference to:
- 1.2.1.1. "law" includes any law, order, statute, statutory instrument, regulation, decree, directive or instrument of equivalent effect;
- 1.2.1.2. the singular includes the plural and vice versa (unless the context otherwise requires) and references to a gender includes all genders;
- 1.2.1.3. headings are for convenience only and shall not govern the interpretation of the Agreement and/or these General Terms and Conditions;
- 1.2.1.4. "including", "include" shall be construed as a reference to: "... including, without limitation,..." or "... including but not limited to...".
- **1.2.2.** Order of precedence: in the event of contradiction and/or incompatibility between the following documents, the order of precedence between them shall be as follows:
- I. any confirmation and/or reminder sent by ATR Training Center to the Customer through e-mail or any other document issued by ATR Training Center in relation with the Agreement;
- II. the Agreement;
- III. these General Terms and Conditions.

2. SUPPLY OF TRAINING SERVICES

- **2.1.** ATR Training Center shall make its reasonable endeavors to (i) comply with the date of completion of the Training Services and (ii) to provide the Customer with the Training Equipment and the Training Instructors (subject to their availability).
- **2.2.** A Dry Training programme (including simulator session timings) will be sent to the Customer at least thirty (30) Days prior to the Services starting date. The Trainees shall check the precise scheduled time of the Training Equipment availability at ATR Training Center's or the relevant Training Center's front, before the beginning of the training courses.
- **2.3.** A Wet Training programme will be sent to the Customer at least ten (10) Days prior to the Services starting date. The Trainees shall check the precise scheduled time of the training courses at ATR Training Center's or the relevant Training Center's front, before the beginning of the training courses

3. ADMINISTRATIVE CONDITIONS

3.1. Trainees arrival: the Customer shall advise ATR Training Center no later than two (2) weeks before the Trainees arrive at the Training Center. Upon their arrival at the Training Center, the Trainees will receive a training programme with the scheduled Training Equipment availability and/or the scheduled training courses, as relevant. In the event of Trainee's arrival to the Training Center without reservation of the training session due to a schedule error committed on account of whether the Customer or ATR Training Center, the latter shall make its reasonable endeavors to perform the ordered Services to the Trainee, provided that the Training Equipment and Training Instructors are available for the aforesaid training session. The Customer agrees that the Services provided by ATR Training Center to the Trainee in such conditions, despite the abovementioned schedule error, shall be considered by the Customer as an agreed period for supply of the Services as it would have been set out in the Dry Training programme and/ or Wet Training programme sent to Customer in accordance with clauses 2.2 and 2.3 here above.

- **3.2.** The Customer shall ensure that any of its Trainees attending the Training Services shall comply with all regulations, government restrictions and internal rules applicable to the relevant Training Center, which shall include any applicable security, health and safety regulations. ATR Training Center internal rules are at Trainees' disposal within the relevant Training Center (ATR Training Center or Training Center Welcome brochure).
- **3.3.** Group leader: the Customer shall name a group leader among each group of Trainees and shall indicate his name on the Trainees' list. The group leader shall immediately report to the ATR Training Center reception desk any abnormal event that may occur during the performance of the Training Services.
- 3.4. Accommodation, transportation and medical fees
- **3.4.1.** At Customer's request, ATR Training Center may assist the Customer with booking a rental car, at the preferential ATR Training Center corporate rate.
- **3.4.2.** When necessary, drivers shall hold an international driving license. All rental related expenses shall be at Customer's charge. The Customer shall assume all risk, loss or liability arising out of or directly or indirectly connected with the use of the rental car; and more particularly the death of or injury caused to any third party or to any Trainee.
- 3.4.3. All living expenses shall be at Customer's charge. Upon written request from the Customer, ATR Training Center may assist the Customer in making hotel bookings for Trainees on behalf of the Customer. The Customer shall send directly to the hotel(s) a deposit amounted to the total estimated cost to confirm the hotel booking. In no event shall ATR Training Center pay any expenses with regards to the hotel booking or any other additional fee, which have to be borne by the Customer. In no event shall ATR Training Center be liable for any consequence arising out of or in connection with the assistance provided by ATR Training Center relating to the Customer living facilities.

3.4.4. In case of emergency, Trainees' medical care may be assumed by ATR Training Center. All payments of medical care bills advanced by ATR Training Center shall be charged to the Customer pursuant to clause 8.6 hereafter.

4. COURSE QUALIFICATION

- **4.1.** All Materials are in English and training courses taught in English. The Customer's Trainees shall be able to fully understand written and spoken English.
- **4.2.** Any Trainee assigned by the Customer to attend the Training Services shall have the type rating pre-requisites conditions on turbo prop aircraft; the Customer must return to ATR Training Center, at least forty five (45) Days prior to the course starts, the Trainee Information Sheet ("**TIS**") filled with type rating pre-requisites information.
- **4.3.** If any Trainee does not reach the conditions set out in clauses 4.1 and 4.2, ATR Training Center shall be entitled to terminate the Training Services with respect to such Trainee without incurring any prejudice and/or liability.
- **4.4.** ATR Training Center shall not be liable as to any insufficiency resulting from the Trainees' level of knowledge by the end of the Training Services.

5. TRAINING EQUIPMENT

- **5.1.** The Training Equipment provided by ATR Training Center shall be in operating conditions.
- **5.2.** The Customer shall promptly advise ATR Training Center of any technical default, breakdown or malfunction in the operation of the Training Equipment.
- **5.3.** Aircraft supply: unless otherwise agreed, any aircraft used for the Training Services shall be the Customer's aircraft. Upon request from the Customer, ATR Training Center may lease an ATR aircraft in order to complete the Training Services in accordance with ATR Training Center Price List, and subject to the availability of such aircraft. Any Costs (including fuel, maintenance, support, landing fees and all other operating

expenses) will be paid directly by the Customer or charged thereafter to the Customer in accordance with ATR Training Center Price List. Clause 17 ("Insurance") shall apply to the aircraft supply for the performance of the Training Services.

- **5.4.** Training Equipment session: if during a Training Equipment session, a technical default occurs which renders said Training Equipment inoperative, the session shall be completed as soon it shall be serviceable and:
- I. If the failure lasts less than fifteen (15) minutes The session may be extended for a duration equal to the duration of the technical default.
- II. If the failure lasts more than fifteen (15) minutes The time lost may be recovered by contacting ATR Training Center scheduling office, provided that a time-slot can be found within the published simulator programme. ATR Training Center shall make its reasonable endeavors to provide such a time-slot to complete the interrupted session, and shall not be liable for any consequences relating to the scheduling of a new session.
- **5.5.** Remedial Training: during the Training Services, the Customer or ATR Training Center may request additional remedial training (in classroom and/or on Training Equipment). The schedule, duration and cost of such remedial training will be mutually agreed upon between the Customer and ATR Training Center.
- 5.6. End of the Training Services: upon completion of the Training Services, ATR Training Center shall deliver a certificate of course completion to each Trainee, in accordance with the prerequisites for issuance of such certificate. In the event such prerequisites are not met, ATR Training Center shall deliver a certificate of course attendance.

6. PRICES

6.1. Prices and currency applicable to the Training Services are as indicated in the relevant ATR Training Center Price List or if different, as specifically stipulated by ATR Training Center in the Agreement.

- **6.2.** Quotations in a currency other than Euros are based on the exchange's rate in force at the time of quoting and unless otherwise stated, the price may at ATR Training Center's discretion be subject to revision up or down if any different rate of exchange shall apply at the date of invoice.
- **6.3.** Any price specifically stipulated by ATR Training Center in a quotation and before any request for Services based on this quotation have been received by ATR Training Center, will remain in force for ninety (90) Days from the date of its issuance, unless another period is specified in the quotation or in the Agreement. However, ATR Training Center shall be entitled to cancel such quotation or any offer, at any time prior to the acceptance of the Customer. The Price List shall remain valid until a published change in that Price List is advised. Any ordered Services accepted by ATR Training Center but not performed before such change, shall be invoiced on the basis of the Price List in force on the date of acceptance of the Order by ATR Training Center.
- **6.4.** In the event, the Training Services price is varied in accordance with clause 6.2, such price shall be binding on both Parties and shall not give either Party any right of cancellation.
- 6.5. In accordance with clause 7 ("Taxes"), the price is exclusive of all taxes and duties which shall be paid by the Customer with the invoice, without delay.
- 6.6. Notwithstanding any other provision under these General Terms and Conditions, ATR Training Center may revise the price to take into account any variation in the cost of labor, materials, fuel, power and transport or any additional cost resulting from any increase in all or any of such costs or resulting from the modification of the Training Services required by any change in any statutory obligations or any requirements of any Appropriate Authority prior to the completion of the Training Services. ATR Training Center shall notify such revision to the Customer as soon as reasonably practicable.
- 6.7. If the place of supply of the Services is other than at Training Center, the Customer shall reimburse ATR Training

Center all reasonable travel, accommodation, subsistence and other expenses incurred by ATR Training Center's representatives in the course of the supply of Services. Where appropriate, such expenses shall include business class air travel. All such expenses shall be subject to a standard fifteen (10) % handling charge.

7. TAXES

The Customer shall be liable for, indemnify and hold ATR Training Center free and harmless from any taxes, charges, duties and/or other assessments (the "Taxes"), including interests and penalties, arising out of or connected with the execution of the Agreement and imposed by any government or authority (not being the French government or a French authority). Should ATR Training Center be obliged to pay such Taxes, the Customer shall reimburse said Taxes to ATR Training Center within fifteen (15) days after ATR Training Center's request, pursuant to Clause 8.6 hereafter.

8. PAYMENTS

8.1. Unless otherwise required by ATR Training Center, ATR Training Center shall provide the Customer with invoices showing any sums due under the Agreement at the end of each Training Service. Unless otherwise stipulated by ATR Training Center, all payments due thereunder shall be made by the Customer in the appropriate currency designated pursuant to clause 6 ("Prices") to the following ATR Training Center's nominated bank account:

> Société Bordelaise de Crédit Industriel et Commercial (SBCIC) 20 rue des Arts, 31000, Toulouse (France) Account: 00040041401-03 IBAN: FR 7610057190480004004140103 Bank code: 10057

Branch code: 19048 SWIFT BIC: CMCIFRPP

8. DRY & WET TRAINING & SERVICES

All payments shall be made no later than the 30th day following the dispatch of ATR Training Center invoice ("Payment Date"), unless some other period is specified in the Agreement.

Unless otherwise agreed by the Parties, all payments shall be made in full, without set-off, counterclaim, deduction or withholding of any kind. Where applicable according to the law, the Customer shall pay all taxes applicable to the sale of Services.

8.2. In the event:

- (a) the Customer fails to pay and/or delays any amount, even partially, under the Agreement; and/or,
- (b) ATR Training Center has reasonable doubt (i) as to Customer's credit worthiness and/or (ii) to believe that it will not receive any payment in due time,

ATR Training Center, without prejudice to rights it may have at law and/or under the Agreement, shall be entitled to (I) alter the terms of payment (including PIA requirement) in its sole discretion and without prior Notice to the Customer and/or (II) make any and all amounts due under the Agreement immediately due and payable and/or (III) suspend and/ or terminate all or part of any Orders, Services or Agreement (in accordance with Clause 12 ("Termination").

- 8.3. Time for making all payments due to ATR Training Center hereunder by the Customer shall be of the essence. Any additional costs and expenses of whatever nature incurred by ATR Training Center as a result of Customer's failure to make payments on time pursuant to this clause 8.3 thereof shall be borne by the Customer.
- **8.4.** Without prejudice to any other of ATR Training Center's rights or remedies, if the Customer fails to make any payments within thirty (30) Days after the Payment Date, the Customer shall in addition to payment of the price, pay (i) a penalty interest worked out at the interest rate published by the European Central Bank in force at the due date increased by ten (10) points of percentage (without being less than three (3) times the French legal interest rate in force at the due date or higher rate permitted by applicable law); and (ii) a fixed sum of forty (40) Euros for compensation of

recovery costs; ATR Training Center being entitled to claim for any additional recovery costs. Such interest rate and compensation shall be automatically due from the first Day of late payment and supersedes all previous rates.

- 8.5. Notwithstanding the above, ATR Training Center is entitled to assign the right to recover the Customer's debt to any third party. In that case, Clauses 8.3 and 8.4 shall apply to that third party.
- 8.6. All payments advanced by ATR Training Center, including pursuant to clauses 3.4.4 and 7 here above, shall be charged thereafter to the Customer, subject to a fifteen (10)% handling charge.
- **8.7.** Quotation / Invoice error: in the event, the Customer has reasonable beliefs an error has been made in quotation and/ or invoices issued by ATR Training Center, it shall notice the latter at the latest sixty (60) Days after the invoice issuance date; no claim shall be considered beyond said time period here above referred.

Unless otherwise provided under the Agreement and/or these General Terms and Conditions:

- in case of error confirmed by ATR Training Center, the latter shall correct forthwith the quotation and/or the invoice to adjust its amount. In compliance with said corrected quotation / invoice, ATR Training Center shall then issue a credit note to the Customer or the Customer shall pay an additional amount, as relevant; or,
- in case of no error is confirmed by ATR Training Center and/ or the Customer caused such error, ATR Training Center shall be entitled to charge the Customer with any reasonable expenses and time incurred during investigations.

9. CANCELLATION OR POSTPONMENT OF TRAINING SERVICES

In the event of cancellation or postponement of any ordered Training Services by the Customer, ATR Training Center shall be entitled to charge the Customer with the payment of a percentage of the full cost of the cancelled Services, on a sliding scale as described below:

Date of notice served to ATR Training Center (before scheduled starting date)	Amount charged to the Customer
Less or equal than 7 calendar days	100% of full cost
More than 7 and less or equal than 14 calendar days	75 % of full cost
More than 14 and less or equal than 21 calendar days	50 % of full cost
More than 21 and less or equal than 28 calendar days	25% of full cost
More than 28 calendar days	No charge

10. INTELLECTUAL PROPERTY

- 10.1. ATR Training Center holds and/or is sub-licensed with respect to IP Rights related to the Materials and the Services supplied to the Trainees under this Agreement. This Materials and Services shall be exclusively used within the scope of the Agreement.
- 1. Nothing in the Agreement shall have the effect of granting and/or transferring to, or vesting in, the Customer any IP Rights in or to any Materials and/or Services. The Customer acknowledges and agrees that IP Rights in any work or deliverable Materials arising from or created, produced or developed by ATR Training Center shall immediately upon creation or performance, vest in and shall be and remain the sole and exclusive property of ATR Training Center (or where appropriate any of their supplier/licensors) and the Customer shall acquire no right, title or interest in or to the same except as expressly stated in the Agreement.
- II. Notwithstanding the foregoing, any IP Rights license granted to the Customer by ATR Training Center is only made in connection with the Materials and/or Services, and for the exclusive purpose provided under the Agreement and for the own Customer's use.
- III. The Customer agrees not to infringe upon, in any way whatsoever, the IP Rights and other rights held by ATR Training Center (or where appropriate, any of their supplier/licensors).

- IV. The Customer undertakes to bring to ATR Training Center's attention, with no delay, any improper use of IP Rights, which comes to its acknowledgment; the Customer shall use its reasonable efforts to safeguard such IP Rights and assist ATR Training Center, at its request, in taking steps to defend such IP Rights.
- v. In case of the purchase of a data package for the use of a simulator, a licence agreement specifically for this purpose shall be signed between ATR Training Center and the owner of the simulator.
- 10.2. In any case, ATR Training Center shall not be responsible for any consequences, damages, whether direct or indirect, which may result from using the documentation and/or IP Rights in another purpose than using the Training Services in compliance with the Agreement.

11. CONFIDENTIALITY

- **11.1.** The provisions of the Agreement and any information in relation thereto, including all information contained in the Materials, irrespective of its support, the method of transmission and its origin, including data, drawings, designs, test results, specifications, processes, know-how, concepts, programmes, computer software, manufacturing information, information on inventions, processes, improvements, technical advices, financial, marketing, legal or commercial information, human resources information, business plans, product plans, costs and which:
- I. are identified or not by the disclosing Party as confidential; or, II. by its nature warrants confidential treatment; and,
- III. are related to or in any way connected with the purpose of the Agreement; and,
- IV. are communicated by the disclosing Party or to which the receiving Party obtains access during its performance

(collectively or individually referred to as the "Confidential Information"), are confidential between the Parties.

11.2. The Confidential Information shall not be disclosed by either Party, in whole or in part to any third party, without prior written consent of the other Party, except:

- I. to each Party's respective professional advisors having a business need to know, provided that such third party receiving the Confidential Information shall agree not to disclose such, to treat such Confidential Information as strictly confidential and to observe the hereunder conditions of confidentiality; and/or
- II. as may be required by applicable laws or regulations to carry out its obligations under the Agreement. In such event, the receiving Party shall use its best endeavours to limit the disclosure of the Confidential Information to the extent legally permissible. In any case, and prior to such disclosure, the Parties shall jointly review and agree on the General Terms and Conditions of the document to be filed or disclosed.
- 11.3. The Customer agrees not to duplicate the Confidential Information nor to copy or reproduce the same beyond the limited purpose of the Agreement.

12. TERMINATION

- 12.1. Without prejudice to any other rights under the Agreement and/or at law, the following terms and conditions of termination shall apply:
- 12.1.1. Hardship: ATR Training Center shall be entitled to terminate all or part of the Agreement by way of Notice of termination, as per Clause 12.2 ("Termination procedure"), in the event no settlement is reached as per Clause 14 ("Hardship").
- 12.1.2. Either Party shall be entitled to terminate all or part of the Agreement by way of Notice of termination as per Clause 12.3 ("Termination procedure"), in the following events:
- a) Insolvency: to the extent permitted by law, if the other Party becomes insolvent or goes into liquidation or ceases paying its debts as they fall due or makes an assignment for the benefit of creditors or if such Party being a limited company passes a resolution for its winding up or if a petition for its winding up is presented or it files for protection from its creditors under any applicable Law relating to bankruptcy or insolvency or any analogous event in any jurisdiction shall take place.

- b) Other Party's Default;
- c) Excusable delay: in accordance with Clause 13.5;
- d) Late payment: if the Customer fails to make any payments within thirty (30) days after the Payment Date;
- e) ATR Training Center has reasonable doubt (I) as to Customer's credit worthiness and/or (II) to believe that it will not receive any payment in due time;
- f) Export control: in compliance with Clause 18 ("Export Control").
- **12.2.** Suspension procedure: in addition to Clause 12.1, in the event of Customer's Default, ATR Training Center shall be entitled to suspend all or part of any Order, Services and/or any Agreement and/or any other agreement entered into by and between the Customer and ATR Training Center, by way of Notice of suspension to the Customer which shall specify:
- 1. Orders, Services and/or Agreement and/or aforesaid agreement for which such suspension shall be effective; and,
- II. the period during which such suspension shall be in force (i.e. until the failure and/or the credit of the Customer are remedied or any other period granted by ATR Training Center); and/or,
- III. Orders, Services (pending and/or placed as from the Notice of suspension) and/or Agreement and/or aforesaid agreement, for which PIA (and/or any additional conditions to be agreed upon by the Parties) shall be applicable.

For the sake of clarity, such Notice of suspension shall not be construed as a waiver of (I) Customer's obligation to perform any of its obligations under the Agreement and/or aforesaid agreement, (II) ATR Training Center's right to enforce any of Customer's obligations and/or (III) ATR Training Center's right to terminate the Agreement in accordance with this Clause 12 ("Termination"). ATR Training Center reserves the right to apply new, stricter terms and conditions to the Services and/ or part of Agreement that has not been suspended.

12.3. Termination procedure:

12.3.1. To the fullest extent permitted by applicable law and/or under this Agreement, the termination of all or part of this Agreement, for any reason whatsoever, shall become

8. DRY & WET TRAINING & SERVICES

OUR TRAININ

. MAINTENANCE COURSES TYPE

GENERAL TERMS IND CONDITIONS effective as from the receipt by the relevant Party of a Notice of termination from the other Party (or any other period to granted by the latter under the Notice of termination), without it being necessary to take any further action or to seek any consent from the relevant Party or any court having jurisdiction.

12.3.2. Any Order placed prior to any termination under this Clause 12 shall remain valid, subject to any sum due by the Customer to ATR Training Center under the Agreement and/ or any other agreement between the Parties, has been paid in due time.

12.3.3. The right to terminate in accordance with this Clause 12 shall be without prejudice to any other rights and remedies available at applicable law and/or under this Agreement to (I) enforce performance of this Agreement, (II) to recover damages and/or to seek termination of all or part of this Agreement before any court having jurisdiction as per Clause 26 ("Law and Jurisdiction"), without incurring any liability whatsoever.

12.4. Notwithstanding any provision in the General Terms and Conditions, the Customer shall not have the right to set off any claims it might have against ATR Training Center against sums otherwise due to ATR Training Center.

12.5. Upon termination of the Agreement, ATR Training Center shall be entitled to set off any claim it might have against any sums or otherwise due to the Customer

13. EXCUSABLE DELAY

13.1. If either Party or any of its subcontractors (the "**Affected Party**") is prevented, hindered or delayed from or in performing any of its obligations under the Agreement (other than a payment obligation) by an event which is outside of its control, including war or civil or foreign armed aggression, riots, fires, floods, explosions, earthquakes or accidents, epidemics or quarantine restrictions, any act of a Government Entity, embargoes, export prohibitions, strikes

or labour troubles causing cessation of work, such event will be referred to as an "**Excusable Delay**".

13.2. The Affected Party will give Notice to the other Party (the "Non-Affected Party") of such Excusable Delay event as soon as reasonably practicable after it becomes aware thereof, and the Affected Party will use its reasonable endeavours to mitigate the effects of such Excusable Delay, without being obliged however to incur any unreasonable costs.

13.3. Neither Party shall be held liable, or deemed to be in default, if it fails to perform its obligations under this Agreement due to an Excusable Delay; without prejudice to Clause 13.5 hereinafter, the time fixed for the performance by the Affected Party of its obligations affected by the Excusable Delay shall be extended for a period equal to the time lost by reason of such Excusable Delay.

13.4. As soon as reasonably practicable after the end of the Excusable Delay, the Affected Party shall give Notice to the Non-Affected Party that the Excusable Delay has ended.

13.5. If the Excusable Delay continues for more than ninety (90) Days as from the receipt by the Non-Affected Party of the Notice as per Clause 13.2, each Party shall be entitled to terminate this Agreement according to the terms of Clause 12 (*"Termination"*) hereof.

14. HARDSHIP

In case of an unpredictable event that would deeply affect in any manner the condition of performance of the Agreement (in whole or in part), ATR Training Center shall then inform the Customer of such. The Parties shall then meet to look for a solution to compensate such effects. Should no agreement be reached within thirty (30) Days from said information of the Customer, ATR Training Center shall be entitled to terminate the Agreement without incurring any liability in so doing as per Clause 12 ("Termination").

15. LIABILITY AND DISCLAIMER

15.1. EXCEPT AS EXPRESSLY OTHERWISE STATED HEREIN, THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ATR Training Center, ITS AFFILIATES, THEIR OFFICERS, EMPLOY-EES, AGENTS, SUBCONTRACTORS (INCLUDING TRAINING CENTER) AND THEIR RESPECTIVE INSURERS, AND REME-DIES OF THE CUSTOMER SET FORTH IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND THE CUSTOMER HEREBY WAIVES, RELEASES AND RE-NOUNCES ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES OF ATR Training Center, ITS AFFILIATES, THEIR OF-FICERS, EMPLOYEES, AGENTS, SUBCONTRACTORS (INCLUD-ING TRAINING CENTER) AND THEIR RESPECTIVE INSURERS, AND RIGHTS, CLAIMS AND REMEDIES OF THE CUSTOMER AGAINST ATR Training Center, ITS AFFILIATES THEIR OFFICERS, EMPLOYEES, AGENTS, SUBCONTRCATORS (INCLUDING TRAINING CENTER) AND THEIR RESPECTIVE INSURERS, EX-PRESS OR IMPLIED HOWSOEVER, ARISING BY LAW OR OTH-ERWISE, WITH RESPECT TO ANY SERVICES SUPPLIED UNDER THE AGREEMENT INCLUDING BUT NOT LIMITED TO: (A) ANY WARRANTY AGAINST HIDDEN DEFECTS ("GARANTIE DES VICES CACHES", AS RELEVANT; (B) ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS; (C) ANY IMPLIED WAR-RANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE; (D) ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY, WHETHER CONTRAC-TUAL OR DELICTUAL AND WHETHER OR NOT ARISING FROM THE ATR Training Center'S, ITS AFFILIATES', THEIR OFFICERS', EMPLOYEES', AGENTS', SUBCONTRACTORS' (INCLUDING TRAINING CENTER) AND THEIR RESPECTIVE INSURERS' NEG-LIGENCE, ACTUAL OR IMPUTED; AND (E) ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OF DAMAGE TO ANY GODDS AND/OR SERVICES. ATR Training Center, ITS AFFILIATES, THEIR OFFICERS, EMPLOYEES, AGENTS, SUB-CONTRACTORS (INCLUDING TRAINING CENTER) AND THEIR RESPECTIVE INSURERS SHALL HAVE NO OBLIGATION OR LI-ABILITY, HOWSOEVER ARISING, FOR LOSS OF USE, REVENUE OR PROFIT OR FOR ANY OTHER DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WITH RESPECT TO ANY GOODS AND/OR SERVICES DELIVERED UNDER THE AGREEMENT.

15.2. In addition to the foregoing, the Customer shall assume all risk and liability occasioned by failure of its Trainees and their group leader as per clause 3.6 to comply with ATR Training Center's instructions and, save due to ATR Training Center's wilful miscondut or gross negligence, ATR Training Center shall have no liability in the event, for any reason whatsoever, a Service on ground or in flight contemplated by this Agreement does not take place.

15.3. DISCLAIMER: NOTWITHSTANDING ANY OTHER TERMS STATED HERIEN, ANY DOCUMENT PREPARED BY ATR Training Center FURTHER TO THE REQUEST OF THE CUSTOMER IS PROVIDED FOR INFORMATION AND INDIC-ATIVE PURPOSE ONLY. IN PREPARING SUCH DOCUMENTS ATR Training Center HAS RELIED UPON INFORMATION PRO-VIDED BY THE CUSTOMER AND THIRD PARTIES. NO UNDER-TAKING, REPRESENTATION, WARRANTY OR OTHER ASSUR-ANCE, EXPRESS OR IMPLIED, IS OR WILL BE MADE AND NO LIABILITY IS OR WILL BE ACCEPTED BY ATR Training Center OR ITS AFFILIATES, SHAREHOLDERS, EMPLOYEES, ADVIS-ERS, AGENTS, SUBCONTRCATORS (INCLUDING RTC) OR BY ANY OTHER PERSON AS TO OR IN RELATION TO (I) THE ACCURACY OR COMPLETENESS OF THE DOCUMENT AND ANY MATERIALS IN CONNECTION THERETO OR (II) THE IN-FORMATION OR OPINIONS CONTAINED THEREIN OR SUP-PLIED HEREWITH OR (III) THE FITNESS OF THE CONTENTS OF THE DOCUMENT AND ANY MATERIAL IN CONNECTION THERETO FOR ANY PURPOSE (IV) ANY OTHER WRITTEN OR ORAL INFORMATION THAT HAVE BEEN OR MAY AT A FU-TURE DATE BE, MADE AVAILABLE BY ATR Training Center TO THE CUSTOMERR AND ITS ADVISERS. ACCORDINGLY, NEI-THER ATR Training Center NOR ANY OF ITS SHAREHOLD-ERS, DIRECTORS, EMPLOYEES, ADVISERS, AGENTS, SUB-CONTRACTORS (INCLUDING RTC) OR AFFILIATES SHALL BE LIABLE FOR ANY DIRECT, INDIRECT OR CONSEQUENTIAL LOSS, COST, EXPENSE OR DAMAGE SUFFERED BY ANY PER-SON IN CONNECTION WITH OR AS A RESULT OF RELYING ON ANY STATEMENT, OR AS A RESULT OF ANY OMISSION IN. OR SUPPLIED WITH ANY DOCUMENT AND ANY MATE-RIAL IN CONNECTION THERETO. ANY DOCUMENT PRE-PARED BY ATR Training Center SHALL BE USED EXCLUSIVELY FOR THE PURPOSE FOR WHICH IT IS SUPPLIED.

16. INDEMNITY

THE CUSTOMER AGREES UPON DEMAND TO INDEMNIFY AND HOLD HARMLESS ATR Training Center, ITS AFFILIATES, OFFICERS, EMPLOYEES, AGENTS AND/OR SUBCONTRAC-TORS (INCLUDING TRAINING CENTER) IN FULL AGAINST ALL LOSSES, LIABILITIES, ACTIONS, CLAIMS, PROCEEDINGS, JUDGEMENTS, DAMAGES, COMPENSATION, OBLIGATIONS, INJURIES, COSTS AND EXPENSES (INCLUDING LEGAL COSTS AND EXPENSES) OF WHATEVER NATURE SUFFERED BY ANY OF THEM TO THE EXTENT THAT THE SAME ARE CAUSED BY OR RELATED TO ANY CLAIM FOR PERSONAL INJURY OR DEATH OR LOSS OR DAMAGE DIRECTLY OR INDIRECT-LY OCCASIONED BY CUSTOMER'S DEFAULT (INCLUDING NON-COMPLIANCE WITH ANY STATUTORY OR OTHER OB-LIGATION IN RELATION TO GOODS AND/OR SERVICES), FAILURE TO FOLLOW ATR Training Center'S INSTRUCTIONS (WHETHER ORAL OR WRITTEN), OR MISUSE OR MAL-OPER-ATION OF GOODS (INCLUDING TRAINING EQUIPEMENTS) BY OR ON THE PART OF THE CUSTOMER OR ANY PERSON OR PERSONS OTHER ATR Training Center THAN ATR Training Center, ITS AFFILIATES, OFFICERS, EMPLOYEES, AGENTS AND/OR SUBCONTRACTORS (INCLUDING TRAINING CENTER).

THIS INDEMNITY CLAUSE SHALL REMAIN IN FORCE NOT-WITHSTANDING TERMINATION OR CANCELLATION FOR WHATEVER REASON OR EXPIRY OF THE AGREEMENT.

17. INSURANCE

17.1. The Customer shall maintain adequate insurance at its own costs and expenses and with insurers of internationally recognized reputation acceptable to the Supplier in accordance with applicable legislation and industry standards, with respect to its undertakings under the Agreement including Clauses 15 and 16 and shall provide prior to the performance of the Services by ATR Training Center, a certificate of insurance, in a form acceptable to ATR Training Center and in English, evidencing such insurance coverage.

- a) For the sake of clarity, with respect to the flight training performed on Customer's aircraft, the Customer and its insurers shall:
- I. Indemnify and waive any rights of recourses and subrogation against ATR Training Center, its Affiliates, their employees, directors, officers, agents, Subcontractors (including TRAINING CENTER) and insurers in respect of an Aircraft Hull and Spares All Risks Insurance policy (including, to the extent usually available war and allied perils); and
- II. A Comprehensive General Third Party Legal Liability and Aircraft Passengers and Third Party Legal Liability Insurance in respect of incidents involving Aircraft; and,
- es, directors, officers, agents, Subcontractors (including TRAINING CENTER), as additional insured with severability of interest under the Customer's Comprehensive Aviation Legal Liability insurance policies, including War risks and Allied perils (such insurance shall include the AVN52E Extended Coverage Endorsement (aviation liabilities) or any further Endorsement replacing AVN52E as may be available as well as coverage in respect of War and Allied Perils Third Parties Legal Liabilities insurance) to the extent of the Customer's undertaking hereunder. Such policy to be primary and without right of contribution from any other policy held by ATR Training Center, its Affiliates, their employees, directors, officers, agents, Subcontractors (including TRAINING CENTER); and,
- b) Any insurances policies to be subscribed by the Customer in compliance with its undertakings under the Agreement, shall also have been endorsed as follows:
- Include breach of warranty in favour of the Supplier to the extent usually available under such insurances;
- II. All such insurance shall not become ineffective, cancelled, or coverage decreased or materially changed except on thirty (30) Days (seven (7) Days or such lesser period as is customary in respect of war and allied perils) prior written Notice thereof to ATR Training Center.

17.2. *Deductible:* any applicable deductible shall be borne by the Customer with respect to the above policies.

17.3. The Customer will advise ATR Training Center immediately in the event of the occurrence of any event of loss or damage during the term of this Agreement.

18. EXPORT CONTROL

THE CUSTOMER WARRANTS THAT THE MATERIALS, THE TRAINING EQUIPMENT AND THE SERVICES SHALL BE USED FOR COMMERCIAL PURPOSES ONLY, AND SHALL BE USED AND/OR RE-EXPORTED (WHERE RELEVANT) IN COMPLIANCE WITH ALL APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS ("EXPORT LAWS"), INCLUDING THOSE APPLICABLE TO INFORMATION AND DOCUMEN-TATION. THE CUSTOMER ACKNOWLEDGES THAT ATR Training Center'S OBLIGATIONS UNDER THE AGREEMENT ARE SUBJECT TO ALL SUCH EXPORT LAWS, AND THAT ATR Training Center SHALL IN NO EVENT BE LIABLE IN THE EVENT THAT THE PERFORMANCE BY ATR Training Center OF ANY OF ITS OBLIGATIONS UNDER THE AGREEMENT IS AFFECTED OR IMPAIRED BY EXPORT LAWS. ATR Training Center SHALL NOT BE OBLIGATED TO APPLY FOR ANY EXPORT LICENSE OR RETRANSFER AUTHORIZATION IN CONNECTION WITH THE AGREEMENT OR CUSTOMER'S **ACTIVITIES**

NOTWITHSTANDING ANY PROVISION IN THE GENERAL TERMS AND CONDITIONS, ATR Training Center HAS THE RIGHT AT ITS OWN DISCRETION AND AT ANY TIME TO TERMINATE PART OR ALL OF THIS AGREEMENT OR OF AN ORDER WITH IMMEDIATE EFFECT AND WITH NO LIABILITY ON ATR Training Center'S PART OR COMPENSATION DUE, IF AT ANY TIME: (I) ITS COMPLIANCE WITH ANY OF THE TERMS OF THIS AGREEMENT CONSTITUTES OR THREAT-ENS TO CONSTITUTE AN INFRINGEMENT OF THE EXPORT LAWS; AND/OR (II) ANY OF ATR Training Center'S SUPPLI-ERS AND/OR ANY GOVERNMENTAL AUTHORITY RAISE CONCERNS REGARDING ANY OF THE TRANSACTIONS ENVISAGED IN THIS AGREEMENT; AND/OR (III) ATR Training Center HAS ANY DOUBT WHATSOEVER FOR ANY REA-SON AS TO WHETHER DELIVERY OF ANY MATERIALS OR SERVICE UNDER THIS AGREEMENT WOULD CONTRAVENE

EXPORT LAWS. ANY TERMINATION UNDER THIS CLAUSE SHALL DISCHARGE ATR Training Center OF ALL OBLIGA-TIONS AND LIABILITIES. AND NO DAMAGE OR COMPEN-SATION WHATSOEVER CAN BE CLAIMED.

19. SEVERABILITY

In the event of any clause or provision or part thereof of the Agreement being rendered or declared ineffective, unenforceable, illegal or invalid by any legislation or rule of law or by any decision of any court of competent jurisdiction, the remainder of any affected clause or provision of the Agreement shall remain in full force and effect and the Parties hereto agree to substitute, as far as is practicable, a provision having substantially the same effect in its legal and commercial content as the severed provision which re-institutes their original intent in a valid manner, but which is not prohibited, unlawful or unenforceable.

20. ENTIRE AGREEMENT

- I. Except as may otherwise be stipulated in writing, the Agreement (including its amendment, novation, variation or supplementation from time to time and any other agreement or documents construed as a reference to the Agreement) shall constitute the entire agreement between the Parties and shall supersede and exclude all prior representations, proposals or agreements whether oral or in writing.
- II. The Customer acknowledges that, in entering into the Agreement, it does not do so on the basis of, and does not rely on, any representation, warranty or other provision except as expressly provided herein and in the Agreement, and all conditions, warranties or other terms implied by statute or applicable law are hereby excluded to the fullest extent permitted by law.
- III. The Agreement may not be amended, modified or complemented at any time except by a written document signed by duly authorized representatives of both Parties and subject to compensation for all costs ATR Training Center may incur in connection with such change, if any.

- IV. In case of conflict between the English version of the General Terms and Conditions and any other version in another language such as French, the English version shall prevail.
- v. Independent contractors: neither Party is the representative or agent of the other Party for the purposes of this Agreement and nothing herein shall be construed as authorizing either Party to act as the other Party's representative or agent. Notwithstanding any other provisions of this Agreement, this Agreement shall not be construed as a joint venture, partnership, agency, incorporation or business association. Each Party hereto shall remain an independent contractor.

21. SURVIVAL

Notwithstanding the foregoing, any Clause which, by their nature shall survive the expiry or termination or cancellation of the Agreement, shall remain in full force after such expiry or termination or cancellation, including: Clause 10 "Intellectual Property Rights", Clause 11 "Confidentiality", Clause 12 "Termination", Clause 16 "Indemnity", Clause 18 "Export Control" and , Clause 26 "Law and Jurisdiction".

22. NOTICES

All notices and requests required or authorised hereof shall be given in writing delivered by hand or by courier service with proof of delivery and/or by fax ("Notice") and:

- 1. If delivered by hand, shall have been deemed received when so delivered; or,
- II. if delivered by registered mail, shall be deemed to have been received by the addressee on the Day on which it shall have signed as received; or,
- III. if delivered by fax, shall be deemed to have been received by the addressee on the next Business Day following electronic acknowledgement;

In the event a Party chooses to give a Notice by several of the aforesaid means, the earliest of the receipt dates will be considered. In any case, any notice or communication shall

be also transmitted by an e-mail with attached copy of such (in format PDF or similar support). Each Notice shall be addressed to the Party at the address set forth by the Agreement or at such other address as a Party shall notify to the other Party, or in default thereof to their respective registered offices.

23. ASSIGNMENT OF CONTRACT

ATR Training Center may assign the Agreement and the rights and obligations thereunder in whole or in part without the consent of the Customer. The Agreement being personal to the Customer, the latter shall not without the prior written consent of ATR Training Center, assign, transfer, mortgage, charge or dispose of any of its rights hereunder, or sub-contract or otherwise delegate any of its obligations hereunder.

24. SUB-CONTRACTING

ATR Training Center reserves the right to sub-contract any of its obligations under the Agreement or any part thereof.

25, NO WAIVER

Any failure, delay or indulgence from ATR Training Center in exercising any right conferred hereunder shall not operate as a waiver of such right nor preclude the exercise of any other right or remedy hereunder, and shall be without prejudice to its legal rights, and the obligations of the Customer shall continue in full force and effect.

26. LAW / JURISDICTION

- I. The Agreement and any dispute arising in relation to it shall be governed by, interpreted and construed in accordance with the laws of France.
- II. The United Nations Convention on Contracts of April 11th, 1980 for the International Sale of Goods shall be excluded for the application of the Agreement.
- III. In the event of a dispute arising out of, or in connection with, including without limitation, the interpretation, execution or termination of the Agreement and unless otherwise provided by the Agreement, either Party may notify such dispute to the other through service of a written notice (the "Notice of Dispute"). The Parties shall make their best endeavours to settle the dispute amicably within one (1) month after receipt of the Notice of Dispute.
- IV. If the Parties fail to settle conciliation and said dispute within said one (1) month, the courts of Paris (France) shall have exclusive jurisdiction to settle any dispute arising out of or in connection with the Agreement, saved as otherwise provided by the Agreement.
- v. The Parties hereto hereby agree that the procedures set forth in this Clause 26 shall be the exclusive dispute resolution procedures applicable, except as shall be neces-

sary to request urgent injunctive relief or to enforce any court decision.

27, IMMUNITY

To the extent that the Customer may in any jurisdiction in which proceedings may at any time be instituted for the determination of any question arising under or for the enforcement of the Agreement (including any interlocutory proceedings the execution of any judgement or award arising therefrom), be entitled to claim or otherwise be accorded for itself or its property assets or revenues immunity from suit and attachment (whether in aid of execution before judgement or otherwise) or other legal process and to the extent that in any such jurisdiction there may be attributed to the Customer or its property assets or revenues such immunity (whether or not claimed) the Customer hereby irrevocably agrees not to so claim and waives such immunity to the fullest extent permitted by the law of such jurisdiction.

28. COSTS AND EXPENSES

Unless otherwise provided under this Agreement, each Party shall pay its own costs relating to the negotiation, preparation, execution and implementation of this Agreement and of any document related hereto.











