



## Aircraft Type Training Course Syllabus

**ATR 42-400/500/72-212A (PWC PW120) - INITIAL / T1+T2 Combined**

Approved by:  
Competent Authority of France  
(DGAC/OSAC) for EASA

**FR.147.0049**

**ATR 42-400/500/72-212A (PWC PW120) - INITIAL / T1+T2 Combined**

Course - EASA Part-66 B1+B2 - Theoretical

Course - EASA Part-66 B1+B2 - Practical

AIRCRAFT TYPE RATING Endorsement:	<b>ATR 42-400/500/72-212A (PWC PW120)</b>
AIRCRAFT MODELS:	ATR 42-400, ATR 42-500, ATR 72-212A
Commercial Designation:	ATR 42-400, ATR 42-500, ATR 42-600, ATR 72-500, ATR 72-600
COURSE CODE:	<b>I-XX-XX-456-XX</b>
DESCRIPTION:	This course is in compliance with EASA Part-66, Appendix III "Type Training and Examination Standard". The participant will acquire knowledge necessary to perform and certify maintenance tasks permitted to be carried out as certifying staff of the specified category stated in the course title. It provides detailed description, operation, component location, removal/installation, BITE and troubleshooting procedures to a maintenance manual level.
DURATION:	<b>THEORETICAL:</b> 27 days / 160 hours <b>PRACTICAL:</b> optimum time: 9,5 days
NUMBER OF PARTICIPANTS:	<b>THEORETICAL:</b> Max: 12-15 at AGT sites Max: 15 at Customer site <b>PRACTICAL:</b> Max: 15 students (per Instructor/Assessor, divided in several training groups)
TARGET GROUP:	Technical personnel associated with aircraft maintenance or engineering activities and Part-66 Category B1 & B2: Line and Base Maintenance Technician - mechanical & avionics.
PREREQUISITES:	Basic technical English and basic technical aircraft knowledge or Category A license.
PARTICIPATION TIME:	The minimum participation time for the trainee to meet the objectives of the course should not be less than 90% of the tuition hours of the theoretical training course. If the minimum participation time is not met, a certificate of recognition should not be issued.



► **COURSE Theoretical**

OBJECTIVES: (Theoretical)
THEORETICAL Instructor(s):
PLACE:
START-END DATE (Theoretical Course):

**EASA Level 1** (General Familiarisation)

A brief overview of the airplane, systems and powerplant as outlined in the Systems Description Section of the Aircraft Maintenance Manual.

**EASA Level 2** (Ramp and Transit)

Basic system overview of controls, indicators, principal components including their location and purpose, servicing and minor trouble shooting.

**EASA Level 3** (Line and Base Maintenance)

Detailed description, operation, component location, removal/installation BITE and troubleshooting procedures to maintenance manual level.

1. **Name SURNAME** (language: ENGLISH / French)
2. **Name SURNAME** (language: ENGLISH / Spanish)

**City / COUNTRY**

**dd.mmm - dd.mmm.yyyy**

► **COURSE SCHEDULE - Theoretical** (five (5) days a week)

WEEK 1   dd.mmm - dd.mmm.yyyy				WEEK 2   dd.mmm - dd.mmm.yyyy				WEEK 3   dd.mmm - dd.mmm.yyyy						
D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.			
<b>ATR 42/72-500 &amp; 600</b>														
Phase 1	1	ATA 05-12 Introduction (1) Aircraft general & Zone identification (3)	1	Phase 2	1	ATA 34 (6)	3	Phase 3	1	ATA 28 (5) ATA 71 (1)	3			
		ATA 25 (1) ATA 31 - General (1)	3		6									
	2	ATA 31 - MFC (2) ATA 31 - CCAS (2) ATA 45 - MPC (2)	3		6	2	ATA 34 (6)		3	6	2	ATA 72 (0,5) ATA 73 (3,5) ATA 74 (0,75) ATA 75 (0,5) ATA 80 (0,75)	3	6
	3	ATA 31 - DFDR (1) ATA 24 - Gen. (0,5) ATA 24 - ACW (2,5) ATA 24 - DC (2)	3		6	3	ATA 34 (4) ATA 22 (2)		3	6	3	ATA 76 (0,75) ATA 77 (1,5) ATA 78 (0,25) ATA 79 (1,5) ATA 61 (2)	3	6
	4	ATA 24 - DC (5) ATA 24 - AC (1)	3		6	4	ATA 22 (4)		3	4	4	ATA 61 (6)	3	6
5	ATA 24 - AC (2) ATA 26 (4)	3	6	5	ATA 23 (3) ATA 33 (3)	3	6	5	ATA 61 (1) ATA 52 (3) ATA 56 (1) Aircraft structures (1)	3	6			
Phase 1 - EXAM			30	Phase 2 - EXAM			28	Phase 3 - EXAM			30			

WEEK 4		dd.mmm - dd.mmm.yyyy		WEEK 5		dd.mmm - dd.mmm.yyyy		WEEK 6		dd.mmm - dd.mmm.yyyy					
Phase 4	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	Phase 5	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	Phase 6	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	
	1	ATA 36 (5) ATA 21 - General (1)	3	6		1	ATA 27 (6)	3	6		1	ATA 36 (0,25) ATA 21 (0,25) ATA 30 (0,25) ATA 29 (0,25) ATA 27 (0,25)	ATA 29 (0,25) ATA 32 (0,25) ATA 35 (0,25) ATA 23 (1,5) ATA 34 (2,5)	3	6
	2	ATA 21 - Pack (6)	3	6		2	ATA 27 (6)	3	6		2	ATA 72 (0,5) ATA 73 (3,5)	ATA 74 (0,75) ATA 75 (0,5) ATA 80 (0,75)	3	6
	3	ATA 21 - Ventilation (2,5) ATA 21 - Press. (1,5) ATA 30 (2)	3	6		3	ATA 32 (6)	3	6		Phase 6 - EXAM			24	
	4	ATA 30 (3) ATA 38 (1) ATA 35 (2)	3	6		Phase 5 - EXAM			18		ATR 42/72-600				
	5	ATA 29 (6)	3	6		4	ATA 42 (6)	3	6		5	ATA 31 (2,5) ATA 24 (0,25) ATA 26 (0,25) ATA 28 (0,25)	ATA 73 (0,75) ATA 74 (0,25) ATA 76 (0,25) ATA 77 (0,75) ATA 61 (0,5)	3	6
Phase 4 - EXAM			30												
<b>Total (Hrs.) = 160</b>															

EXAMINATIONS:  
(Theoretical)

Phase examination, closed book, multiple-choice examination type.  
Pass mark per phase examination is **75%**

► **COURSE SCHEDULE - Theoretical** (six (6) days a week)

WEEK 1				WEEK 2				WEEK 3							
dd.mmm - dd.mmm.yyyy				dd.mmm - dd.mmm.yyyy				dd.mmm - dd.mmm.yyyy							
	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.		D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.		D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	
Phase 1	<b>ATR 42/72-500 &amp; 600</b>														
	1	ATA 05-12 Introduction (1) Aircraft general & Zone identification (3)	1	6	Phase 2	1	ATA 34 (6)	3	6	Phase 3	1	ATA 76 (0,75) ATA 77 (1,5) ATA 78 (0,25) ATA 79 (1,5) ATA 61 (2)	3	6	
		ATA 25 (1) ATA 31 - General (1)	3												
	2	ATA 31 - MFC (2) ATA 31 - CCAS (2) ATA 45 - MPC (2)	3	6		2	ATA 34 (4) ATA 22 (2)	3	6		2	ATA 61 (6)	3	6	
		3	ATA 31 - DFDR (1) ATA 24 - Gen. (0,5) ATA 24 - ACW (2,5) ATA 24 - DC (2)				3	6				3	ATA 22 (4)		3
	4		ATA 24 - DC (5) ATA 24 - AC (1)	3		6	4		ATA 23 (3) ATA 33 (3)		3		6	4	ATA 36 (5) ATA 21 - General (1)
5		ATA 24 - AC (2) ATA 26 (4)	3	6				Phase 2 - EXAM			28	5			ATA 28 (5) ATA 71 (1)
	Phase 1 - EXAM				30	Phase 3	6	ATA 72 (0,5) ATA 73 (3,5) ATA 74 (0,75) ATA 75 (0,5) ATA 80 (0,75)	3	6			Phase 4	6	ATA 21 - Ventilation (2,5) ATA 21 - Press. (1,5) ATA 30 (2)
P.2	6	ATA 34 (6)	3	6				Phase 3 - EXAM			30				

WEEK 4		dd.mmm - dd.mmm.yyyy			WEEK 5		dd.mmm - dd.mmm.yyyy			
	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.		D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	
Phase 4	1	ATA 30 (3) ATA 38 (1) ATA 35 (2)	3	6	Phase 6	1	ATA 31 (2,5) ATA 24 (0,25) ATA 26 (0,25) ATA 28 (0,25) ATA 73 (0,75) ATA 74 (0,25) ATA 76 (0,25) ATA 77 (0,75) ATA 61 (0,5)	3	6	
	2	ATA 29 (6)	3	6		2	ATA 36 (0,25) ATA 21 (0,25) ATA 30 (0,25) ATA 29 (0,25) ATA 27 (0,25) ATA 29 (0,25) ATA 23 (1,5) ATA 34 (2,5)	3	6	
Phase 4 - EXAM				30		3	3	ATA 72 (0,5) ATA 73 (3,5) ATA 74 (0,75) ATA 75 (0,5) ATA 80 (0,75)	3	6
Phase 5	3	ATA 27 (6)	3	6		Phase 6 - EXAM				24
	4	ATA 27 (6)	3	6						
	5	ATA 32 (6)	3	6						
Phase 5 - EXAM				18						
P.6	<b>ATR 42/72-600</b>									
	6	ATA 42 (6)	3	6						
<b>Total (Hrs.) = 160</b>										

EXAMINATIONS:  
(Theoretical)

Phase examination, closed book, multiple-choice examination type.  
Pass mark per phase examination is **75%**

► **COURSE Practical**

OBJECTIVES:  
(Practical)

Upon completion of the course, the participant will be able to:

- Apply the relevant safety precautions
- Identify and apply aircraft technical documentation
- Name, identify and locate aircraft system components
- Perform normal operation of aircraft systems
- Perform the servicing and ground handling
- Perform inspections and routine work
- Perform system functional/operational and on-board maintenance system supported tests
- Awareness for the use of special tooling and test equipment
- Perform rigging and adjustments
- Carry out routine through visual inspections
- Describe component removal/installation procedures unique to the aircraft type
- Determine aircraft airworthiness in accordance with MEL/CDL, and explain maintenance procedures according to the minimum equipment list (MEL)
- Correlate information for the purpose of making decisions in respect to fault diagnosis and rectification.

PRACTICAL  
Instructor(s)/ Assessor(s):

1. **Name SURNAME** (language: ENGLISH / French)
2. **Name SURNAME** (language: ENGLISH / Spanish)

PLACE:

**City / COUNTRY**

START-END DATE  
(Practical & Assessment):

**dd.mmm - dd.mmm.yyyy**

► **COURSE SCHEDULE - Practical**

START:		dd.mm.yyyy	END:		dd.mm.yyyy
TASK TYPE		TRAINING EQUIPMENT		NO. OF TASKS	
				500&600	600
<b>LOC</b>	Location	Aircraft		<b>254</b>	<b>18</b>
<b>FOT</b>	Functional / Operational Test	Aircraft / Simulator / Classroom		<b>104</b>	<b>23</b>
<b>SGH</b>	Service & Ground Handling	Aircraft / Simulator / Classroom		<b>72</b>	<b>4</b>
<b>R/I</b>	Removal / Installation	Aircraft / Simulator / Classroom		<b>67</b>	<b>7</b>
<b>MEL</b>	Minimum Equipment List	MEL / Classroom		<b>27</b>	<b>--</b>
<b>TS</b>	Trouble Shooting	Aircraft / Simulator / Classroom		<b>34</b>	<b>--</b>
<b>REF: A - Aircraft   S - Simulator   C - Classroom</b>		<b>Total Tasks</b> (500 or 600 + 600)		<b>558</b>	<b>52</b>
				<b>610</b>	

ASSESSMENTS	√	PRACTICAL TRAINING DURATION
Assessment 1 - Engine / Propeller	<b>1</b>	<b>Optimum time: 9,5 days</b>
Assessment 2 - Airframe	<b>1</b>	
Assessment 3 - Avionics	<b>1</b>	
Assessment Review	<b>1</b>	

ASSESSMENTS:  
(Practical)

The practical training assessment will be performed after completion of at least **50%** of the mandatory tasks, divided in **3** different scenarios (Engine/Propeller, Airframe and Avionics).

Practical assessment will be conducted and assigned as "**passed**" or "**not passed**".

Practical training will be documented in the Practical Handbook (PH).



TRAINING MATERIAL:  
(for each student)

**(DC)** Digital Copy:

- Maintenance Training Manual (**AGT-MTM-456**) (pdf);
- Aircraft Maintenance Documentation - samples (pdf);
- Cockpit and panels layout (print ready);

**(HC)** Hard Copy:

- Course Syllabus and Schedule
- Training Handbook
- ATR systems schematics
- Practical Handbook

HARDWARE:

In addition to AGT training presentation equipment, it is recommended each student to be equipped with notebook or similar portable electronic device capable to support **pdf** format reading software, in order to successfully read and review the content of training course material.

SOFTWARE:

Any available program supporting **pdf** format.  
Recommended: Adobe Acrobat Reader