

ATR

ATR 42

400/500

72 212A

PWC PW120

Aircraft Type Training Course Syllabus

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

Course - EASA Part-66 B1+B2 - Theoretical
Course - EASA Part-66 B1+B2 - Practical



► **GENERAL**

AIRCRAFT TYPE RATING Endorsement:	ATR 42-400/500/72-212A (PWC PW120)	
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:	I-XX-XX-456-XX	
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:	<p>THEORETICAL: 23 days / 133 hours</p> <p>Or Synchronous Distance Learning (SDL): 23 days / 133 hours and</p> <p>Additional Course (Level 3) & Examination Phases: 4,5 days after SDL, in the practical site</p>	<p>PRACTICAL: optimum time: 9 days for 10 trainees</p>
NUMBER OF PARTICIPANTS:	<p>Face to face, Max: 28</p> <p>Distance Learning, Max: 15 (per Instructor or Invigilator)</p>	<p>Max: 15 students (per Instructor/Assessor, divided in several training groups)</p>
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)

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.

PLACE:

Online / by SDL (Synchronous Distance Learning)

START-END DATE
(Theoretical Course):
(Level 3 and Exams):

05.JUL – 05.AUG.2021

09.AUG – 12.AUG.2021

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

WEEK 1				WEEK 2				WEEK 3									
05.07 – 09.07.2021				12.07 – 16.07.2021				19.07 – 23.07.2021									
D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.						
ATR 42/72-500 & 600																	
Phase 1	1	Introduction (0,5) 05-12 (2)	1	6	Phase 2	34 (6)	3	6	Phase 3	1	71 (0,75) 72 (0,75) 76 (0,75) 73 (3,75)	3	6				
		25 (1) 51-57 (2) 56 (0,5)	3														
	2	31 (6)	3	6										2	77 (1) 75 (1) 78 (0,5) 79 (2,5)	3	5
	3	45 (2) 24 (4)	3	6										3	74 (1) 80 (1) 61 (4)	3	6
	4	24 (4) 33 (2)	3	6										4	61 (6)	3	6
5	52 (4) 35 (1)	3	5	5	27 (1) 28 (4) 38 (1)	3	6	5	26 (3) 36 (3)	3	6						
Phase 1 - EXAM			29	Phase 2 - EXAM			30	Phase 3 - EXAM			29						

WEEK 4					WEEK 5					
26.07 – 30.07.2021					02.08 – 04.08.2021					
D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	D	ATA CHAPTER (Hrs.) ATR 42/72-600	Lvl.	Hrs.			
Phase 4	1	21 (6)	3	6	Phase 5	1	42 (2) 31 (4)	3	6	
	2	21 (3) 30 (3)	3	6		2	34 (2,5) 27 (0,25) 22 (1,5) 29 (0,25) 23 (0,5) 32 (0,25) 24 (0,25) 52 (0,25) 26 (0,25)	3	6	
	3	30 (3)	3	3		3	61 (0,5) 73-77 (1) 35 (0,25) 28 (2) 30 (0,25) 45 (1,5) 21 (0,25) 36 (0,25)	3	6	
	Phase 4 - EXAM			27						
	Phase 5 - EXAM			18						
4	29 (3) 32 (3)	3	6							
5	32 (6)	3	6							
				Total (Hrs.) = 133						

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.

PLACE:

Madrid / SPAIN

START-END DATE
(Practical & Assessment):

09.AUG – 19.AUG.2021

► **COURSE SCHEDULE - Practical**

START:		09.08.2021	END:		19.08.2021	
TASK TYPE	TRAINING EQUIPMENT	NO. OF TASKS				
		Airframe	Engine/Prop.	Avionics		
		500&600	500&600	500&600		
LOC Location	Aircraft / Simulator / Classroom	159	63	38		
FOT Functional / Operational Test	Aircraft / Simulator / Classroom	34	12	34		
SGH Service & Ground Handling	Aircraft / Simulator / Classroom	33	12	7		
R/I Removal / Installation	Aircraft / Simulator / Classroom	29	10	15		
MEL Minimum Equipment List	MEL / Classroom	13	8	8		
TS Trouble Shooting	Aircraft / Simulator / Classroom	14	11	7		
REF: A - Aircraft S - Simulator C - Classroom		Total Tasks (500 or 600 + 600)		282	116	109
				507		

ASSESSMENTS	√	PRACTICAL TRAINING DURATION
AIRFRAME or ENGINE/PROPELLER or AVIONICS	1	Optimum time: 9 days
Assessment Review	1	

ASSESSMENTS:
(Practical)

The practical training assessment will be performed after completion of at least **50%** of the mandatory tasks, one scenario (Engine/Propeller, Airframe or 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