

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



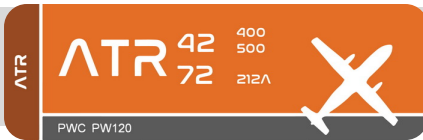


## Aircraft Type Training Course Syllabus

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

### ► GENERAL

AIRCRAFT TYPE RATING Endorsement:	<b>ATR 42-400/500/72-212A</b> (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:	<b>I-19-09-456-01</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> 23 days / 133 hours	<b>PRACTICAL:</b> optimum time: 9 days
NUMBER OF PARTICIPANTS:	Max: <b>28</b> (per Instructor/Examiner or Invigilator)	Max: <b>15</b> 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 <b>A</b> license.	
PARTICIPATION TIME:	The minimum participation time for the trainee to meet the objectives of the course should not be less than <b>90%</b> 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.

THEORETICAL  
Instructor(s):

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

PLACE:

**Toulouse / FRANCE**

START-END DATE  
(Theoretical Course):

**02.SEP – 27.SEP.2019**

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

WEEK 1				WEEK 2				WEEK 3							
02.SEP - 07.SEP.2019				09.SEP - 14.SEP.2019				16.SEP - 21.SEP.2019							
	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	Introduction (0,5) 05-12 (2)	1	6	Phase 2	1	34 (6)		3	6	Phase 3	1	74 (1) 80 (1) 61 (4)	3	6
		25 (1) 51-57 (2) 56 (0,5)	3												
	2	31 (6)	3	6		2	22 (4) 23 (2)	3	6	2		61 (6)	3	6	
	3	45 (2) 24 (4)	3	6		3	27 (6)	3	6	3		26 (3) 36 (3)	3	6	
	4	24 (4) 33 (2)	3	6		4	27 (1) 28 (4) 38 (1)	3	6	4		21 (6)	1	6	
5	52 (4) 35 (1)	3	5	Phase 2 - EXAM		30	Phase 3 - EXAM					29			
P.2	6	34 (6)	3	6	Phase 3	5	71 (0,75) 72 (0,75) 76 (0,75) 73 (3,75)	3	6	Phase 4	5	21 (3) 30 (3)	3	6	
Phase 1 - EXAM				29		6	77 (1) 75 (1) 78 (0,5) 79 (2,5)	3	5		6	30 (3)	3	3	

WEEK 4		23.SEP – 27.SEP.2019		
	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.
Phase 4	1	29 (3)	3	6
		32 (3)		
Phase 4	2	32 (6)	3	6
		Phase 4 - EXAM		
<b>ATR 42/72-600</b>				
Phase 5	3	42 (2)	3	6
		31 (4)		
Phase 5	4	34 (2,5)	3	6
		22 (1,5)		
		23 (0,5)		
		24 (0,25)		
		26 (0,25)		
Phase 5	5	61 (0,5)	3	6
		35 (0,25)		
		30 (0,25)		
		21 (0,25)		
		73-77 (1)		
Phase 5 - EXAM		18		
<b>Total (Hrs.) = 133</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. **TBC** (language: ENGLISH / French)
2. **TBC** (language: ENGLISH / Spanish)

PLACE:

**Francazal / FRANCE**

START-END DATE  
(Practical & Assessment):

**28.SEP – 08.OCT.2019**

► **COURSE SCHEDULE - Practical**

<b>START:</b>		28.SEP.2019	<b>END:</b>		08.OCT.2019
TASK TYPE		TRAINING EQUIPMENT	NO. OF TASKS		
			Airframe 500&600	Engine/Prop. 500&600	Avionics 500&600
<b>LOC</b>	Location	Aircraft / Simulator / Classroom	159	63	38
<b>FOT</b>	Functional / Operational Test	Aircraft / Simulator / Classroom	34	12	34
<b>SGH</b>	Service & Ground Handling	Aircraft / Simulator / Classroom	33	12	7
<b>R/I</b>	Removal / Installation	Aircraft / Simulator / Classroom	29	10	15
<b>MEL</b>	Minimum Equipment List	MEL / Classroom	13	8	8
<b>TS</b>	Trouble Shooting	Aircraft / Simulator / Classroom	14	11	7
		<b>Total Tasks</b> (500 or 600 + 600)	<b>282</b>	<b>116</b>	<b>109</b>
			<b>507</b>		

REF: **A** - Aircraft | **S** - Simulator | **C** - Classroom

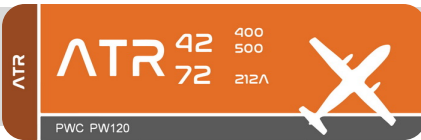
ASSESSMENTS	√	PRACTICAL TRAINING DURATION
Assessment 1 - Airframe	1	<b>Optimum time: 9 days</b>
Assessment 2 - Engine / Propeller	1	
Assessment 3 – Avionics (ATR 42/72-500 or 600)	1	
Assessment Review	1	

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).



## Aircraft Type Training Course Syllabus

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

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