

ATR

ATR
42/72
500

PWC PW120

Aircraft Type Training Course Syllabus

ATR 42-500/ATR 72-500 (PWC PW120)

T1+T2 Combined / Initial / **ATR 42-500 and ATR 72-500 Only**

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) ATR 42-500 and ATR 72-500 Only	
Commercial Designation:	ATR 42-500, ATR 72-500	
COURSE CODE:	I-XX-XX-45-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:	THEORETICAL: 20 days / 115 hours	PRACTICAL: optimum time: 8 days
NUMBER OF PARTICIPANTS:	THEORETICAL: Max: 12 at AGT sites Max: 28 at Customer site	PRACTICAL: 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

25.03.2019 – 16.04.2019

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

WEEK 1 25.03 – 30.03.2019				WEEK 2 01.04 – 06.04.2019				WEEK 3 08.04 – 13.04.2019				WEEK 4 15.04 – 16.04.2019								
D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	ATA CHAPTER (Hrs.)	Lvl.	Hrs.	ATA CHAPTER (Hrs.)	Lvl.	Hrs.								
1	Phase 1	Introduction (0,5) ATA 05-12 (2)	1	6	Phase 2	ATA 34 (6)	3	6	Phase 3	ATA 74 (1) ATA 75 (1) ATA 78 (0,5) ATA 79 (2,5) ATA 80 (1)	3	6	Phase 4	ATA 29 (3) ATA 32 (3)	3	6				
		ATA 25 (1) ATA 56 (0,5)	3																	
		ATA 42 (3) ATA 31 (3)	3														6	ATA 61 (6)	3	6
		ATA 31 (4) ATA 45 (2)	3														6	ATA 61 (3) ATA 26 (3)	3	6
		ATA 24 (6)	3														6	Phase 3 - EXAM		30
		ATA 24 (1) ATA 52 (4) ATA 35 (1)	3														6	ATA 34 (3) ATA 21 (3)	3	6
2	P 2	ATA 34 (6)	3	6	Phase 3	ATA 27 (5) ATA 38 (1)	3	6	Phase 4	ATA 21 (6)	3	6	Phase 4 - EXAM		30					
		Phase 1 - EXAM		30		Phase 2 - EXAM		30												
		ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6		ATA 28 (4) ATA 71 (1) ATA 72 (1)	3	6												
3	P 3	ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6	Phase 4	ATA 73 (4) ATA 76 (1) ATA 77 (1)	3	6	Phase 4	ATA 30 (6)	3	6								
		Phase 1 - EXAM		30		Phase 2 - EXAM		30												
		ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6		ATA 28 (4) ATA 71 (1) ATA 72 (1)	3	6												
4	P 4	ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6	Phase 4	ATA 73 (4) ATA 76 (1) ATA 77 (1)	3	6	Phase 4	ATA 30 (6)	3	6								
		Phase 1 - EXAM		30		Phase 2 - EXAM		30												
		ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6		ATA 28 (4) ATA 71 (1) ATA 72 (1)	3	6												
5	P 5	ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6	Phase 4	ATA 73 (4) ATA 76 (1) ATA 77 (1)	3	6	Phase 4	ATA 30 (6)	3	6								
		Phase 1 - EXAM		30		Phase 2 - EXAM		30												
		ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6		ATA 28 (4) ATA 71 (1) ATA 72 (1)	3	6												
6	P 6	ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6	Phase 4	ATA 73 (4) ATA 76 (1) ATA 77 (1)	3	6	Phase 4	ATA 30 (6)	3	6								
		Phase 1 - EXAM		30		Phase 2 - EXAM		30												
		ATA 24 (1) ATA 52 (4) ATA 35 (1)	3	6		ATA 28 (4) ATA 71 (1) ATA 72 (1)	3	6												

► **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		NO. OF TASKS		
TASK TYPE		TRAINING EQUIPMENT	Airframe	Engine/Prop.	Avionics	
LOC	Location	Aircraft / Simulator / Classroom		170	75	44
FOT	Functional / Operational Test	Aircraft / Simulator / Classroom		42	12	32
SGH	Service & Ground Handling	Aircraft / Simulator / Classroom		38	13	7
R/I	Removal / Installation	Aircraft / Simulator / Classroom		36	8	15
MEL	Minimum Equipment List	MEL / Classroom		13	8	6
TS	Trouble Shooting	Aircraft / Simulator / Classroom		14	11	5
REF: A - Aircraft S - Simulator C - Classroom		Total Tasks		313	127	109
				549		

ASSESSMENTS	√	PRACTICAL TRAINING DURATION
Assessment 1 - Airframe	1	Optimum time: 8 days
Assessment 2 - Engine / Propeller	1	
Assessment 3 - Avionics	1	
Assessment 4 - Avionics (ATR 42/72-600)	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).

TRAINING MATERIAL:
(for each student)

(DC) Digital Copy:

- Maintenance Training Manual (AGT-MTM-45) (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