

ATR

ATR 42
400/500
72 212A

PWC PW120

Aircraft Type Training Course Syllabus

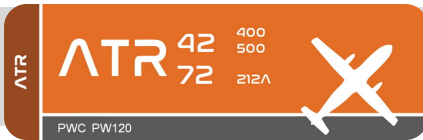
ATR 42-400/500/72-212A (PWC PW120) T1+T2 Combined / Initial

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:	THEORETICAL: 27 days / 160 hours	PRACTICAL: optimum time: 9 days
NUMBER OF PARTICIPANTS:	Max: 28 (per Instructor/Examiner or Invigilator)	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)

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

PLACE:

DENMARK

START-END DATE
(Theoretical Course):

From October 2019

► **COURSE SCHEDULE - Theoretical** (six (6) 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.				
ATR 42/72-500 & 600															
Phase 1	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
	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
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)	3	6	
P.2	6	ATA 34 (6)						3				6			Phase 3 - EXAM

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 61 (0,5) ATA 73 (0,75) ATA 74 (0,25) ATA 75 (0,25) ATA 76 (0,25) ATA 77 (0,75)	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 52 (0,25) ATA 27 (0,25) ATA 32 (0,25) ATA 35 (0,25) ATA 23 (1,5) ATA 34 (2,5)	3	6
		Phase 4 - EXAM		30					
Phase 5	3	ATA 27 (6)	3	6	Phase 6	3	ATA 34 (1) ATA 22 (3) ATA 45 (2)	3	6
	4	ATA 27 (6)	3	6		Phase 6 - EXAM		24	
	5	ATA 32 (6)	3	6					
		Phase 5 - EXAM		18					
P.6	ATR 42/72-600								
	6	ATA 42 (6)	3	6					
Total (Hrs.) = 160									

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:

DENMARK

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			
		Airframe 500&600	Engine/Prop. 500&600	Avionics 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)		507	
		282	116	109	

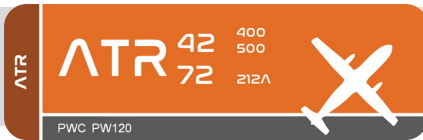
ASSESSMENTS	√	PRACTICAL TRAINING DURATION
Assessment 1 - Airframe	1	Optimum time: 9 days
Assessment 2 - Engine / Propeller	1	
Assessment 3 - Avionics	1	
Assessment 4 - Avionics (ATR 42/72-600)	1	
Assessment Review	1	

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).



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