



## Aircraft Type Training Course Syllabus

### **Airbus A319/A320/A321** (IAE V2500) T1+T2 Combined / Initial

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





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### Airbus A319/A320/A321 (IAE V2500) - Initial / T1+T2 Combined

#### ► GENERAL

AIRCRAFT TYPE RATING Endorsement:	<b>Airbus A319/A320/A321</b> (IAE V2500)
AIRCRAFT MODELS:	A319-130 series, A320-230 series, A321-130 series, A321-230 series
COURSE CODE:	<b>I-XX-XX-A32V-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: 30</b> days / <b>177</b> hours <b>Or Synchronous Distance Learning: 30</b> days / <b>177</b> hours and <b>Additional Course (Level 3) &amp; Examination Phases: 6</b> days after SDL, in the practical site
NUMBER OF PARTICIPANTS:	Face to face, Max: <b>28</b> Distance Learning, Max: <b>15</b> (per Instructor or Invigilator)
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.

**PRACTICAL: 10** days

Max: **15**

(per Instructor/Assessor, divided in several training groups)



► **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:

City / COUNTRY

START-END DATE  
(Theoretical Course):

dd.mmm - dd.mmm.yyyy



► **COURSE SCHEDULE - Theoretical** (five (5) 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	1	<b>Introduction</b> 05-06-07-08-09-10-11-12 (4) Associated Manuals (2)	1	6	Phase 2	1	ATA 24 (6)	3	6	Phase 3	1	ATA 49 (3) ATA 71 (2) ATA 72 (1)	3	6			
	2	Structures - ATA 51, 53, 54, 55, 57 (2) ATA 56 (1,5) ATA 25 (1,5) ATA 31 (1)	3	6		2	ATA 24 (6)	3	6		2	ATA 79 (3) ATA 73A - FADEC (1) ATA 73 (2)	3	6			
	3	ATA 31 (6)	3	6		3	ATA 24 (2) ATA 35 (2) ATA 26 (2)	3	6		3	ATA 73 (2) ATA 76 (2) ATA 75 (2)	3	6			
	4	ATA 31 (5)	3	5		4	ATA 26 (3) ATA 28 (3)	3	6		4	ATA 75 (2) ATA 77 (2) ATA 74 (1) ATA 80 (1)	3	6			
				Phase 1 - EXAM	23					Phase 2 - EXAM	30					Phase 3 - EXAM	30
P. 2	5	ATA 52 (4) ATA 38 (2)	3	6	P. 3	5	ATA 28 (2,5) ATA 47 (0,5) ATA 49 (3)	3	6	P. 4	5	ATA 78 (2) ATA 36 (4)	3	6			



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Airbus A319/A320/A321 (IAE V2500) - Initial / T1+T2 Combined

WEEK 4					WEEK 5					WEEK 6					
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 4	1	ATA 21 (6)	3		6	Phase 5	1	ATA 27 (6)		3	6	Phase 7	1	ATA 22 (6)
Phase 5 - EXAM									18	2	ATA 22 (3) ATA 23 (3)	3		6	
2		ATA 21 (6)	3	6	Phase 6	2	ATA 34 (6)	3	6		Phase 7 - EXAM			18	
3	ATA 30 (5) ATA 29 (1)	3	6	3		ATA 34 (6)	3	6	Phase 8	3	ATA 23 (6)	3	6		
	Phase 4 - EXAM					24	Phase 6 - EXAM			18	4	ATA 23 (3) ATA 46 (3)	3	6	
Phase 5	4	ATA 29 (3) ATA 32 (3)	3	6	P. 7	5	ATA 34 (6)	3		6		5	ATA 33 (4)	3	4
		Phase 8 - EXAM					16								
<b>Total (Hrs.) = 177</b>															



► **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.
Phase 1	1	<b>Introduction</b> 05-06-07-08-09-10-11-12 (4) Associated Manuals (2)	1	6	Phase 2	1	ATA 24 (6)	3	6	Phase 3	1	ATA 73 (2) ATA 76 (2) ATA 75 (2)	3	6
	2	Structures - ATA 51, 53, 54, 55, 57 (2) ATA 56 (1,5) ATA 25 (1,5) ATA 31 (1)	3	6		2	ATA 24 (2) ATA 35 (2) ATA 26 (2)	3	6		2	ATA 75 (2) ATA 77 (2) ATA 74 (1) ATA 80 (1)	3	6
	3	ATA 31 (6)	3	6		3	ATA 26 (3) ATA 28 (3)	3	6	Phase 3 - EXAM			30	
	4	ATA 31 (5)	3	5	Phase 2 - EXAM			30	Phase 4	3	ATA 78 (2) ATA 36 (4)	3	6	
Phase 1 - EXAM				23	Phase 3	4	ATA 28 (2,5) ATA 47 (0,5) ATA 49 (3)	3		6	4	ATA 21 (6)	3	6
Phase 2	5	ATA 52 (4) ATA 38 (2)	3	6		5	ATA 49 (3) ATA 71 (2) ATA 72 (1)	3	6	5	ATA 21 (6)	3	6	
	6	ATA 24 (6)	3	6		6	ATA 79 (3) ATA 73A - FADEC (1) ATA 73 (2)	3	6	6	ATA 30 (5) ATA 29 (1)	3	6	
					Phase 4 - EXAM				24					



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**Airbus A319/A320/A321** (IAE V2500) - **Initial** / T1+T2 Combined

WEEK 4					WEEK 5				
dd.mmm - dd.mmm.yyyy					dd.mmm - dd.mmm.yyyy				
	D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.		D	ATA CHAPTER (Hrs.)	Lvl.	Hrs.
Phase 5	1	ATA 29 (3) ATA 32 (3)	3	6	Phase 7	1	ATA 22 (6)	3	6
	2	ATA 32 (3) ATA 27 (3)	3	6		2	ATA 22 (6)	3	6
	3	ATA 27 (6)	3	6		3	ATA 22 (3) ATA 23 (3)	3	6
				18					18
Phase 6	4	ATA 34 (6)	3	6	Phase 8	4	ATA 23 (6)	3	6
	5	ATA 34 (6)	3	6		5	ATA 23 (3) ATA 46 (3)	3	6
	6	ATA 34 (6)	3	6		6	ATA 33 (4)	3	4
				18					16
<b>Total (Hrs.) = 177</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.

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		
				Airframe	Engine	Avionics
<b>LOC</b>	Location	Aircraft / Simulator / Classroom		121	38	28
<b>FOT</b>	Functional / Operational Test	Aircraft / Simulator / Classroom		50	11	24
<b>SGH</b>	Service & Ground Handling	Aircraft / Simulator / Classroom		44	6	8
<b>R/I</b>	Removal / Installation	Aircraft / Simulator / Classroom		39	5	13
<b>MEL</b>	Minimum Equipment List	MEL / Classroom		16	4	7
<b>TS</b>	Trouble Shooting	Aircraft / Simulator / Classroom		20	7	6
REF: <b>A</b> - Aircraft   <b>S</b> - Simulator   <b>C</b> - Classroom				<b>Total Tasks</b>		
				<b>290</b>	<b>71</b>	<b>86</b>
				<b>447</b>		

ASSESSMENTS	√	PRACTICAL TRAINING DURATION
AIRFRAME or ENGINE or AVIONICS	<b>1</b>	<b>Optimum time: 10 days</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).



## Aircraft Type Training Course Syllabus

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TRAINING MATERIAL:  
(for each student)

(DC) Digital Copy:

- Maintenance Training Manual (**AGT-MTM-A32V**) (pdf);
- Aircraft Maintenance Documentation - samples (pdf);
- Cockpit and panels layout (print ready);

(HC) Hard Copy:

- Course Syllabus and Schedule
- Training Handbook
- Systems schematics
- Practical Handbook (**AGT-TPP-A32V**)

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