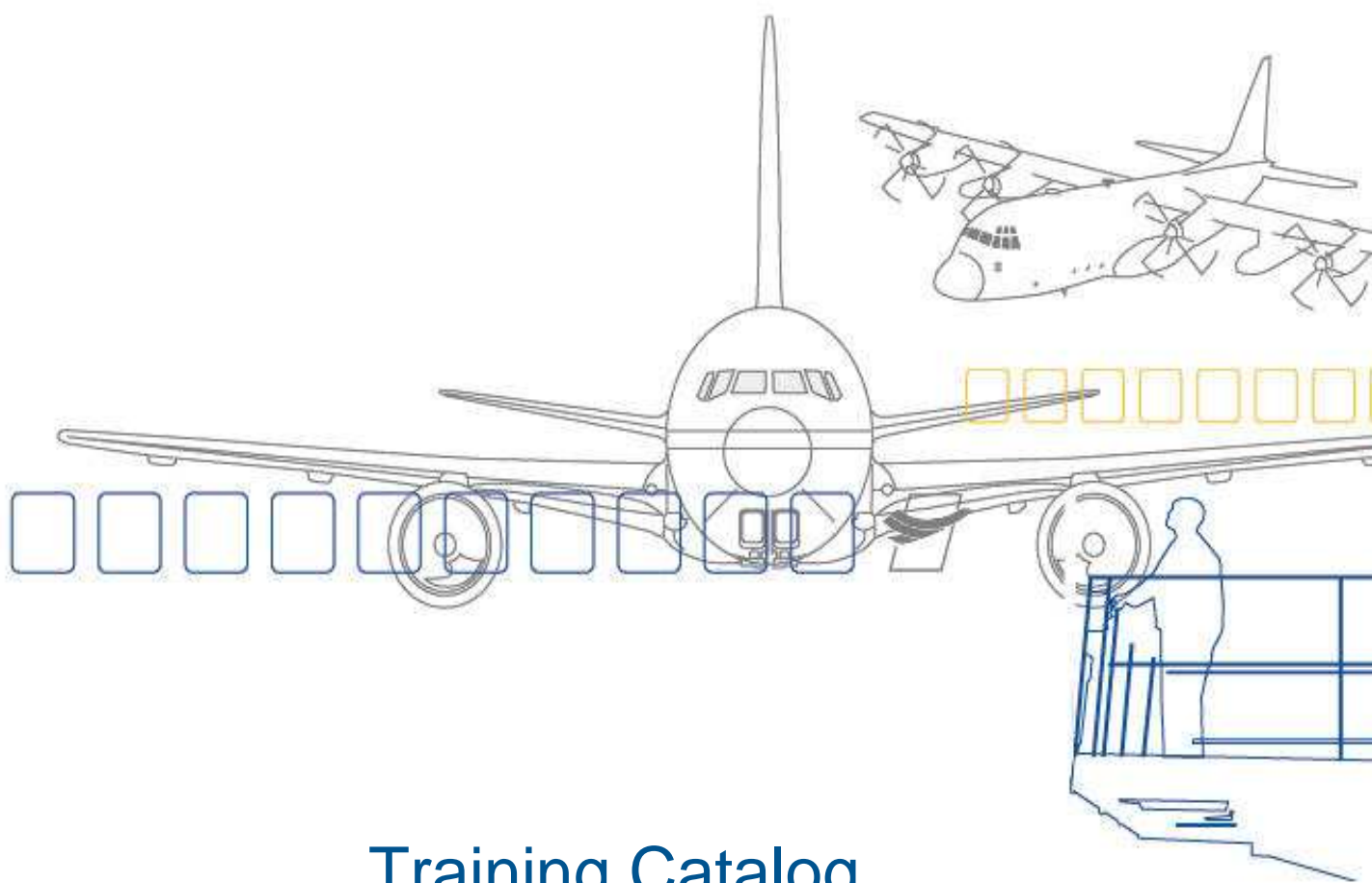


# Sabena technics training

PART 147 approved training center



## Training Catalog

T A T G R O U P

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## Welcome

On October 9, 1890, Clément Ader was the first person to successfully take off from level ground. His Eole, a steam-powered, bat-winged monoplane, reached a height of around 20cm, flew an alleged distance of 50m – and crashed. This first airplane had an assumed wingspan of 13,7m and an empty weight of 167kg. It had one pilot, one passenger and one technician: Clément Ader himself.

On April 27, 2005, the Airbus A380 took off from Toulouse Airport for its first official flight. The Airbus 380 represents the most ambitious civil aircraft program to date. Featuring a wing span of 79.8m and an empty weight of 308 tons, this aircraft offers standard seating for 555 passengers on two separate levels. In addition to a Flight crew of two, a triple backup computer system, it needs a cabin crew and a team of qualified maintenance technicians to ensure its safety.

It is evident: Aviation has developed from a one man show into a highly developed industry with one overall objective: *safety*.

Customized maintenance programs are the basis for the safety of passengers and crews alike. They rely on highly trained professionals and technicians that possess an unquestionable level of expertise.

Through our PART-147 training courses and our network of approved partners, we provide that expertise. We bring your mechanics and avionics up to the highest industry standards in aircraft maintenance so that your fleet keeps flying safe and flying high.

***We qualify!***

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## Introduction

Sabena technics training is a wholly-owned subsidiary of Sabena technics which is part of TAT Group. TAT is a French group dedicated to aviation and owned by the Marchais family since 1969. Today, its activities comprise MRO services (through the brands Sabena technics and Barfield Inc.), aircraft leasing (TAT leasing) and asset management (Magellan air). TAT Group employs 3,300 persons across its maintenance activities worldwide.

Sabena technics training benefits of two PART-147 approved training centers based at the Airport of Bordeaux-Mérignac in France and at Brussels Airport in Belgium. We specialize in PART-147 and PART-145 maintenance training and qualifications.. The content of our courses complies with the instruction levels (I, II or III) of ATA specification 104.

All PART 147 approved Maintenance Courses are governed by regulations and guidelines. These regulations and guidelines are in accordance with aviation industry accepted standards, recognized by the majority of aviation authorities. European regulation defines different levels of maintenance training, all of which are provided by our PART-147 Maintenance Training courses.

European regulations define categories of certifying staff, each with their own designation, providing a readily understandable indication of their job function. These designations are:

**T1:**

- Cat B1 Certifying Staff - Mechanical - Line maintenance
- Cat B1 Support Staff - Base maintenance

**T2:**

- Cat B2 Certifying Staff - Avionics - Line maintenance
- Cat B2 Support Staff - Base maintenance

**T4:**

- Cat C Base Maintenance Certifying Staff
- Part-M Airworthiness Review Staff

Some of our maintenance training courses are performed via our partners. The concerned aircraft are indicated by footers in the tables of the portfolio descriptions.

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## 1. PART- 66 Maintenance Training Courses

With our partner APAVE Aeroservices, we offer you a PART-66 Basic Theoretical Training. This course is based on the syllabus of the regulation CE 2042 Annex III (Part 66) and is performed in accordance with the guideline of the same regulation (Part 147).

This training can be performed in Sabena technics training centers and on Sabena technics PART-145 maintenance premises or APAVE training centres or directly at your premises.

The PART-66 Basic Theoretical Training is composed of the modules stated in the following table:

REFERENCE		TITLE	DURATION
<b>AA-66-001</b>		<b>Reviews of Modules Part-66 Licence</b>	<b>38.5 days</b>
AA-66-001-1	Module 1	Mathematics	2 days
AA-66-001-2	Module 2	Physics	2.5 days
AA-66-001-3	Module 3	Electrical	2.5 days
AA-66-001-4	Module 4	Electronics	1.5 days
AA-66-001-5	Module 5	Digital Technics	3.5 days
AA-66-001-6	Module 6	Material & hardware	2.5 days
AA-66-001-7	Module 7	Maintenance practices	3 days
AA-66-001-8	Module 8	Basic aerodynamics	1 day
AA-66-001-9	Module 9	Human factors	1 day
AA-66-001-10	Module 10	Aviation legislation	1 day
AA-66-001-11	Module 11	Turbine aeroplane aerodynamics, structures & systems - B1.1	5 days
AA-66-001-13	Module 13	Turbine aeroplane aerodynamics, structures & systems - B2	5 days
AA-66-001-14	Module 14	Propulsion - B2	2 days
AA-66-001-15	Module 15	Gas turbine engine - B1.1	3.5 days
AA-66-001-17	Module 17	Propeller - B1.1	1.5 days
<b>AA-66-002</b>		<b>Basic Part-66 Training (On-job-training)</b>	<b>74 weeks</b>

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## 2. AIRBUS PART-147 Maintenance Training Course

We offer you courses on the following AIRBUS aircraft: A300, A310, A300-600, A320 family, A330 and A340.

### ACT courses

For training on the A320 family and the A330 and that takes place in Bordeaux training center, Sabena technics training offers you courses using the Airbus Competence Training ACT System. This concept reduces the time needed to train your technicians and to get them back on the job. The training method is task oriented as opposed to the classical knowledge focused approach.

During real life scenario exercises students perform actively operational tasks on a virtual aircraft, reducing the practical training needed on real aircraft for a complete type qualification. Likewise, all "differences courses" also include part of the practical training and hence reduce the time needed on a real aircraft.

Thanks to the ACT system, Sabena technics training offers you the following Cross Maintenance Qualification (CMQ) for the A320 family and A330:

- A320 from A330
- A330 from A320
- A330 from A340

A Cross Maintenance Qualification (CMQ) consists in taking credit from learning already done. That is to say technicians qualifying from one Airbus fly-by-wire type to another only have to follow a "difference training" instead of attending a full type training in order to acquire an aircraft type qualification. This leads to a reduction of training costs, time and effort.

An ACT course is composed of three parts:

#### **Theoretical course**

The content of the theoretical course complies with the requirements defined in the related documents for Certifying Staff. The trainee receives training on all systems listed and must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.

#### **Practical course P1**

The use of the virtual aircraft enables the trainee to perform practical actions inside the classroom, such as operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance. Component location & replacement training subjects are covered by the use of either real or virtual aircraft, synthetic training devices, mock-ups or simulation.

#### **Practical course P2**

Practical hands-on training that requires the availability of the real aircraft.

### ACT mobile courses

For courses that are organized outside the Bordeaux training center, Sabena technics training can offer courses on A320 and A330 using the ACT Mobile system. The concept of this system is the same as the ACT system but provides access to only one virtual aircraft for the group. The pedagogical gain stays unchanged, but classic practical trainings have to be organized in the frame of such a course.

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## A300 Basic Model – A310 – A300-600 classic courses

RATING	COURSE	A300 Basic Model	A310	A300-600
		PWJT9D GECF6	PWJT9D GECF6 PW4000	GECF6 PW4000
Theoretical Training		Duration (in days)		
T4	Base Maintenance Certifying Engineer	5	5	5
T1	Mechanical Course - Maintenance Certifying Technician	30	30	30
T2	Avionics Course - Maintenance Certifying Technician	23	23	23
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician	33	33	33
T1+T2	Engine Maintenance Difference Course	-	3	3
T1+T2	A300/600 to A310 - Aircraft Maintenance Difference Course	-	2	-
T1+T2	A310 to A300/600 - Aircraft Maintenance Difference Course	-	-	2
Practical Training		Duration (in days)		
T1	Mechanical Course Maintenance Certifying Technician	10	10	10
T2	Avionics Course Maintenance Certifying Technician	10	10	10
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	13	13	13
T1+T2	Engine Maintenance Difference	-	2	2

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## 2.2 A318/A319/A320 and A330 ACT courses

RATING	COURSE	A318/A319/A320/A321	A330
		IAE V2500 CFM56	GECF6 PW4000 RRRB211
ACT Theoretical Training & P1		Duration (in days)	
T4	Base Maintenance Certifying Engineer	5	5
T1	Mechanical Course - Maintenance Certifying Technician	32	37
T2	Avionics Course - Maintenance Certifying Technician	21	22
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician	37	40
T2	Engine Maintenance Difference Course	2	2
T1/T1+T2	Engine Maintenance Difference Course	4	4
T2	A319/A320/A321 to A318 Aircraft Maintenance Difference Course	2	-
T1/T1+T2	A319/A320/A321 to A318 Aircraft Maintenance Difference Course	3	-
T2	A340 to A330 Aircraft Maintenance Difference Course	-	3
T1/T1+T2	A340 to A330 Aircraft Maintenance Difference Course	-	6
T1	Cross Maintenance Qualification A320 (A330) to A330 (A320)	22	24
T2	Cross Maintenance Qualification A320 (A330) to A330 (A320)	12	13
T1+T2	Cross Maintenance Qualification A320 (A330) to A330 (A320)	24	25
ACT Practical Training P2		Duration (in days)	
T1	Mechanical Course - Maintenance Certifying Technician – P2	5	5
T2	Avionics Course - Maintenance Certifying Technician – P2	5	5
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician – P2	7	7
T1/T1+T2	Engine Maintenance Difference Course – P2	1	1
T1/T1+T2	A340 to A330 Aircraft Maintenance Difference Course – P2	-	1
T1	Cross Maintenance Qualification A320 (A330) to A330 (A320) – P2	3	3
T2	Cross Maintenance Qualification A320 (A330) to A330 (A320) – P2	2	2
T1+T2	Cross Maintenance Qualification A320 (A330) to A330 (A320) – P2	4	4

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## 2.3 A318/A319/A320, A330 and A340 ACT mobile/classic courses

Rating	Course	A318/A319 A320/A321	A330	A340
		IAE V2500 CFM56	GECF6 PW4000 RRRB211	CFM56
Theoretical Training		Duration (in days)		
T4	Base Maintenance Certifying Engineer	5	5	5
T1	Mechanical Course - Maintenance Certifying Technician	30	30	30
T2	Avionics Course - Maintenance Certifying Technician	20	21	23
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician	33	33	33
T1+T2	Engine Maintenance Difference Course	3	3	-
T1+T2	A319/A320/A321 to A318 - Aircraft Maintenance Difference Course	3	-	-
T1+T2	A340 to A330 - Aircraft Maintenance Difference Course	-	5	-
T1+T2	A330 to A340 - Aircraft Maintenance Difference Course	-	-	5
Practical Training		Duration (in days)		
T1	Mechanical Course - Maintenance Certifying Technician	10	10	10
T2	Avionics Course- Maintenance Certifying Technician	10	10	10
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician	12	12	12
T1+T2	Engine Maintenance Difference	2	2	-
T1+T2	A340 to A330 - Aircraft Maintenance Difference Course	-	3	-
T1+T2	A330 to A340 - Aircraft Maintenance Difference Course	-	-	3

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### 3. BOEING PART-147 Maintenance Training Courses

#### 3.1 Boeing 737-300/400/500 – Boeing 737-600/700/800/900 courses

Rating	Course	Boeing 737 300/400/500	Boeing 737 600/700/800/900
		CFM 56-3	CFM 56-7
<b>Theoretical Training</b>		<b>Duration (in days)</b>	
T4	Base Maintenance Certifying Engineer	5	5
T1	Mechanical Course - Maintenance Certifying Technician	24-27	24-27
T2	Avionics Course - Maintenance Certifying Technician	19-20	19-20
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician	29 -32	29 -32
T1/T1+T2	Boeing 737 600/700/800/900 to 300/400/500 Aircraft Maintenance Difference Course	15	-
T2	Boeing 737 600/700/800/900 to 300/400/500 Aircraft Maintenance Difference Course	8	-
T1/T1+T2	Boeing 737 300/400/500 to 600/700/800/900 Aircraft Maintenance Difference Course	-	15
T2	Boeing 737 300/400/500 to 600/700/800/900 Aircraft Maintenance Difference Course	-	8
<b>Practical Training</b>		<b>Duration (in days)</b>	
T1	Mechanical Course - Maintenance Certifying Technician	10	10
T2	Avionics Course - Maintenance Certifying Technician	10	10
T1+T2	Mechanical & Avionics Course - Maintenance Certifying Technician	10	10
T1/T1+T2	Boeing 737 600/700/800/900 to 300/400/500 Aircraft Maintenance Difference Course	5	-
T2	Boeing 737 600/700/800/900 to 300/400/500 Aircraft Maintenance Difference Course	5	-
T1/T1+T2	Boeing 737 300/400/500 to 600/700/800/900 Aircraft Maintenance Difference Course	-	5
T2	Boeing 737 300/400/500 to 600/700/800/900 Aircraft Maintenance Difference Course	-	5

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### 3.2 Boeing 747-200/300 – Boeing 747-400 courses

RATING	Course	Boeing 747-200/300 <sup>1</sup>			Boeing 747-400 <sup>1</sup>		
		PW JT9	GE CF6	RR RB211	PW 4000	GE CF6	RR RB211
<b>Theoretical Training</b>		<b>Duration (in days)</b>					
T4	Base Maintenance Certifying Engineer	8			8		
T1	Mechanical Course Maintenance Certifying Technician	25			25		
T2	Avionics Course Maintenance Certifying Technician	10			10		
<b>Practical Training</b>		<b>Duration (in days)</b>					
T1	Mechanical Course Maintenance Certifying Technician	10			10		
T2	Avionics Course Maintenance Certifying Technician	5			5		

<sup>1</sup> = The courses for this aircraft type are performed via one of our partners.

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### 3.3 Boeing 757-200/300 - Boeing 767-200/300 - Boeing 777-200/300 courses

RATING	Course	Boeing 757-200/300		Boeing 767-200/300		Boeing 777-200/300 <sup>1</sup>		
		PW 2000	RR RB211	GE CF6	PW 4000	PW 4000	RR TRENT 800	GE 90
<b>Theoretical Training</b>		<b>Duration (in days)</b>						
T4	Base Maintenance Certifying Engineer	8		8		8		
T1	Mechanical Course Maintenance Certifying Technician	23 - 27		23 - 27		25		
T2	Avionics Course Maintenance Certifying Technician	17 - 20		17 - 20		20		
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	27 - 32		27 - 32		-		
T1/T1+T2	Boeing 767 to Boeing 757-200/300 Aircraft Maintenance Difference Course	14		-		-		
T2	Boeing 767 to Boeing 757-200/300 Aircraft Maintenance Difference Course	7		-		-		
T1/T1+T2	Boeing 757 to Boeing 767-200/300 Aircraft Maintenance Difference Course	-		14		-		
T2	Boeing 757 to Boeing 767-200/300 Aircraft Maintenance Difference Course	-		6		-		
T1	Boeing 757 – Boeing 767 Engine Difference Courses	5		5		-		
T2	Boeing 757 – Boeing 767 Engine Difference Courses	3		3		-		
<b>Practical Training</b>		<b>Duration (in days)</b>						
T1	Mechanical Course Maintenance Certifying Technician	10		10		10		
T2	Avionics Course Maintenance Certifying Technician	10		10		5		
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	10		10		-		
T1/T1+T2	Boeing 767 to Boeing 757-200/300 Aircraft Maintenance Difference Course	5		-		-		
T2	Boeing 767 to Boeing 757-200/300 Aircraft Maintenance Difference Course	5		-		-		
T1/T1+T2	Boeing 757 to Boeing 767-200/300 Aircraft Maintenance Difference Course	-		5		-		
T2	Boeing 757 to Boeing 767-200/300 Aircraft Maintenance Difference Course	-		5		-		
T1	Boeing 757 – Boeing 767 Engine Difference Courses	-		-		-		
T2	Boeing 757 – Boeing 767 Engine Difference Courses	-		-		-		

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### 3.4 MD80 Series, MD90, DC10/MD11 courses

RATING	Course	Boeing MD80 Series to MD90 <sup>1</sup>	Boeing DC10 / MD11 <sup>1</sup>
		IAE V2500	GE CF6-50
<b>Theoretical Training</b>		<b>Duration in days</b>	
T4	Base Maintenance Certifying Engineer	5	5
T1	Mechanical Course Maintenance Certifying Technician	23	27
T2	Avionics Course Maintenance Certifying Technician	11	13
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	25	30
T1	MD80 to MD90 Aircraft Maintenance Training Course	17	-
T2	MD80 to MD90 Aircraft Maintenance Training Course	9	-
T1+T2	MD80 to MD90 Aircraft Maintenance Training Course	18	-
<b>Practical Training</b>		<b>Duration in days</b>	
T1	Mechanical Course Maintenance Certifying Technician	10	-
T2	Avionics Course Maintenance Certifying Technician	10	-
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	12	-
T1	MD80 to MD90 Aircraft Maintenance Training Course	5	-
T2	MD80 to MD90 Aircraft Maintenance Training Course	5	-
T1+T2	MD80 to MD90 Aircraft Maintenance Training Course	5	-

<sup>1</sup> = These courses are performed via one of our partners

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## 4. Regional Aircrafts PART-147 Maintenance Training Courses

### 4.1 ATR 42 – ATR 72 Family courses

Rating	Course	ATR42/72 Family <sup>1</sup>	ATR 42-200/300 <sup>1</sup>	ATR 72-100/200 <sup>1</sup>	ATR 42-400/500 ATR 72-212A <sup>1</sup>
		Group 1 (G1)	Group 2 (G2)	Group 3 (G3)	Group 4 (G4)
Theoretical Training		Duration (in days)			
T4	Base Maintenance Certifying Engineer	5	5	5	5
T1	Mechanical Course Maintenance Certifying Technician	23	18	18	18
T2	Avionics Course Maintenance Certifying Technician	11	10	10	10
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	25	20	20	20
T1	G2 to G1 or G3 to G4 or G2 to G4 Aircraft Maintenance Difference Course	5	-	-	5
T2	G2 to G1 or G3 to G4 or G2 to G4 Aircraft Maintenance Difference Course	3	-	-	3
T1+T2	G2 to G1 or G3 to G4 or G2 to G4 Aircraft Maintenance Difference Course	5	-	-	5
T1	G2 to G3 Aircraft Maintenance Difference Course	-	-	4	-
T2	G2 to G3 Aircraft Maintenance Difference Course	-	-	3	-
T1+T2	G2 to G3 Aircraft Maintenance Difference Course	-	-	4	-
T1	G3 to G4 or G2/G3 to G4 Aircraft Maintenance Difference Course	-	-	-	2
T2	G3 to G4 or G2/G3 to G4 Aircraft Maintenance Difference Course	-	-	-	0,5
T1+T2	G3 to G2 Aircraft Maintenance Difference Course	-	-	-	2
T1/T1+T2	G3 to G2 Aircraft Maintenance Difference Course	-	2,5	-	-
T2	G3 to G2 Aircraft Maintenance Difference Course	-	2,5	-	-
Practical Training		Duration (in days)			
T1	Mechanical Course Maintenance Certifying Technician	10	10	10	10
T2	Avionics Course Maintenance Certifying Technician	10	10	10	10
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	10	10	10	10

<sup>1</sup> = The courses for this aircraft type are performed via one of our partners.

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#### 4.2 Embraer ERJ135/145 – ERJ 170/190 courses

Rating	Course	ERJ135/145 <sup>1</sup>	ERJ170/190 <sup>1</sup>
		AE 3007A	GE CF34
Theoretical Training		Duration (in days)	
T4	Base Maintenance Certifying Engineer	5	5
T1	Mechanical Course Maintenance Certifying Technician	20	20
T2	Avionics Course Maintenance Certifying Technician	15	15
Practical Training		Duration (in days)	
T2	Avionics Course Maintenance Certifying Technician	4	4

#### 4.3 Bombardier CRJ100/200 – Challenger 604/605 – CRJ700/705/900 courses

RATING	Course	CRJ	CL	CRJ
		100/200 <sup>1</sup>	604/605 <sup>1</sup>	700/705/900 <sup>1</sup>
		GE CF34	GE CF34	GE CF34
Theoretical Training		Duration in days		
T1	Mechanical Course Maintenance Certifying Technician	25	25	25
T2	Avionics Course Maintenance Certifying Technician	20	20	20
Practical Training		Duration in days		
T1	Mechanical Course Maintenance Certifying Technician	10	10	10
T2	Avionics Course Maintenance Certifying Technician	5	5	5

<sup>1</sup> = The courses for this aircraft type are performed via one of our partners.

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#### 4.4 Fokker F28 - F70/100 courses

RATING	Course	FOKKER 28 <sup>1</sup> FOKKER 70/100 <sup>1</sup>
		RR Spey 550 RR Tay 620/650
<b>Theoretical Training</b>		<b>Duration in days</b>
T4	Base Maintenance Certifying Engineer	5
T1	Mechanical Course Maintenance Certifying Technician	23
T2	Avionics Course Maintenance Certifying Technician	12
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	25
<b>Practical Training</b>		<b>Duration in days</b>
T1	Mechanical Course Maintenance Certifying Technician	10
T2	Avionics Course Maintenance Certifying Technician	10
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	12

<sup>1</sup> = The courses for this aircraft type are performed via one of our partners.

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## 5 CASA PART-147 Maintenance Training Course

RATING	Course	CN-235
		GE CT7
<b>Theoretical Training</b>		<b>Duration in days</b>
T4	Base Maintenance Certifying Engineer	5
T1	Mechanical Course Maintenance Certifying Technician	22
T2	Avionics Course Maintenance Certifying Technician	13
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	24
<b>Practical Training</b>		<b>Duration in days</b>
T1	Mechanical Course Maintenance Certifying Technician	10
T2	Avionics Course Maintenance Certifying Technician	10
T1+T2	Mechanical & Avionics Course Maintenance Certifying Technician	1é

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## 6. PART-145 Maintenance Training Courses

RATING	COURSES	
<b>Technical / Practical Courses</b>		<b>Duration in days</b>
B1+B2	Initial Operating Experience <sup>1</sup>	30
B1+B2	Cabin Maintenance Course <sup>1</sup>	5
B1/B2	Engine Run-up Initial Training <sup>1</sup>	2 (1 engine) – 5 (2 engines)
B1	Rigging <sup>1</sup>	5
B1	Borescope Inspections <sup>1</sup>	2
-	Towing	3
-	Composite Materials	10
<b>Theoretical Courses</b>		<b>Duration in days</b>
-	Introduction to Aviation	5
-	Human Factors	1-2
-	Aviation Legislation	1
-	Fuel Tank Safety	1
-	Electrical Wiring Interconnection Systems	1 - 5
-	Hydraulics systems	5
-	Airbus Documentation - Structure	5
-	Airbus Documentation -Maintenance	3
-	Continuing Airworthiness Management	10
-	STC Process (Modification & Documentation)	5
T1+T2	SA Enhanced to Classic	2
T1+T2	LR Enhanced To Classic	2
<b>Refresh Courses</b>		<b>Duration in days</b>
B1/B2	Type Training Refresh Course <sup>1</sup>	5
B1/B2	Type Training Refresh Workshop <sup>1</sup>	3
B1/B2	Engine Run-up Refresh <sup>1</sup>	1
-	Borescope Inspections Refresh <sup>1</sup>	1
-	Towing Refresh	0,5
-	Human Factors, Aviation Legislation and CDCCL Refresh	1

<sup>1</sup> = Available on all aircraft types of this catalogue

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## 7. PART-147 Courses description

### 7.1 Maintenance type training courses

#### 7.1.1 Base Maintenance Certifying Engineer – T4

<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B747, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, ERJ135/145, ERJ170/190, F28, F100
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T4
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Identify safety precautions related to the airframe, its systems and power plant.</li> <li>• Identify maintenance practices important to the airframe, its systems and power plant.</li> <li>• Define the general layout of the aircraft's major systems.</li> <li>• Define the general layout and characteristics of the power plants.</li> <li>• Identify special tooling and test equipment used with this aircraft.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical and non-technical managers and other support personnel as well as technical personnel with through flight and line maintenance activities.
<b>Prerequisite</b>	Personnel must be familiar with current equipment and have a general knowledge of turbine powered transport aircraft. Students should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	This course is at ATA 104 Level I for all systems. This course describes the aircraft, systems, system operation and documentation in general for the aircraft type.
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Familiarization Training Manual</li> <li>• Abbreviation Booklet</li> <li>• Cockpit Panel drawings</li> </ul>

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## 7.1.2 Mechanical Course - Maintenance Certifying Technician - T1

<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B747, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, ERJ135/145, ERJ170/190, F28, F100, CRJ100/200/700/900, CL604/605
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T1
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Perform all maintenance tasks on the systems and up to the level listed in the related regulatory document.</li> <li>• Ensure safe certification of line and base maintenance, inspections and routine work according to the maintenance manual and other relevant instructions and tasks as appropriate for the type of aircraft, for example: troubleshooting, repairs, adjustments, replacements, operational and functional checks.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians - Mechanics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel must be familiar with turbine powered transport aircraft and digital electronic equipment, and must have the knowledge and/or experience required for maintaining turbine powered transport aircraft. Preferably, the trainee is holder of a valid basic license of category B1 or equivalent.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is a mechanics/electrics course according to ATA 104 level III for mechanics systems and ATA 104 level I + II for avionics systems.</p> <p>This course provides theoretical knowledge to line and base maintenance technicians having experience on multi-engine jet transport aircraft and digital techniques. It describes all the airframe and power plant systems, sub-systems and components in detail systems according to the requirements defined in the related documents for Certifying Staff. This includes the operational and functional tests of all systems as well. Furthermore, the operational documentation is used to ensure that the trainee is able to correctly diagnose failures and take the necessary corrective action. For each ATA chapter the trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Familiarization Training Manual</li> <li>• CBT auto run CD-ROM if applicable</li> <li>• Abbreviation Booklet</li> <li>• AMM/ASM extracts (according to subject)</li> <li>• Cockpit Panel drawings</li> </ul>

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<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B747, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, F28, F100, CRJ100/200/700/900, CL604/605
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T1
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Maximum 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians - Mechanics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training element of the related aircraft type course, and should have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B1.1 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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### 7.1.3 Avionics Course - Maintenance Certifying Technician – T2

<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B747, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, ERJ135/145, ERJ170/190, F28, F100, CRJ100/200/700/900, CL604/605
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T2
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Perform all maintenance tasks on the systems and up to the level listed in the related regulatory document.</li> <li>• Ensure safe certification of line and base maintenance, inspections and routine work according to the maintenance as appropriate for the type of aircraft, for example: troubleshooting, repairs, adjustments, replacements, operational and functional checks.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians - Avionics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	Personnel must be familiar with turbine powered transport aircraft and digital electronic equipment, and must have the knowledge and/or experience required for maintaining turbine powered transport aircraft. Preferably, the trainee is holder of a valid basic license of category B2 or equivalent. Student should be able to read, write and communicate at an understandable level in English language
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is an electrics/avionics course according to ATA 104 level III for avionics systems and ATA 104 level I + II for mechanics systems.</p> <p>This course provides theoretical knowledge to line and base maintenance technicians having experience on multi-engine jet transport aircraft and digital techniques. It describes the electrical and avionics systems according to the requirements defined in the related documents for Certifying Staff. This includes sub-systems and components in detail plus all other systems and sub-systems at a sufficient level to understand the system interfaces systems. Furthermore, the operational and functional tests of the avionics systems are covered using the operational documentation to ensure that the trainee is able to correctly diagnose failures and take the necessary corrective action.</p> <p>For each ATA chapter the trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Familiarization Training Manual</li> <li>• CBT auto run CD-ROM if applicable</li> <li>• Abbreviation Booklet</li> <li>• AMM/ASM extracts (according to subject)</li> <li>• Cockpit Panel drawings</li> </ul>

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<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B747, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, ERJ135/145, ERJ170/190, F28, F100, CRJ100/200/700/900, CL604/605
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T2
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Maximum 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians - Avionics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training element of the related aircraft type course, and should have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B2 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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## 7.1.4 Mechanical & Avionics Course - Maintenance Certifying Technician – T1+T2

<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, F28, F100
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T1+T2
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Perform all maintenance tasks on the systems and up to the level listed in the related regulatory document.</li> <li>• Ensure safe certification of line and base maintenance, inspections and routine work according to the maintenance manual and other relevant instructions and tasks as appropriate for the type of aircraft, for example: troubleshooting, repairs, adjustments, replacements, operational and functional checks.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanics + Avionics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel must be familiar with turbine powered transport aircraft and digital electronic equipment, and must have the knowledge and/or experience required for maintaining turbine powered transport aircraft. Preferably, the trainee is holder of a valid basic licenses of category B1 and B2 or equivalent.</p> <p>For the difference courses, the trainee must be qualified on the source aircraft.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is a mechanics/electrics/avionics course according to ATA 104 level III for all systems. This course provides theoretical knowledge to line and base maintenance technicians having experience on multi-engine jet transport aircraft and digital techniques.</p> <p>It describes all the systems, sub-systems and components in detail, as well as the operational and functional tests of all systems (mechanics and avionics) according to the requirements defined in the related documents for Certifying Staff. It includes the use of the operational documentation to ensure that the trainee is able to correctly diagnose failures and take the necessary corrective action.</p> <p>For each ATA chapter the trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Familiarization Training Manual</li> <li>• CBT auto run CD-ROM if applicable</li> <li>• Abbreviation Booklet</li> <li>• AMM/ASM extracts (according to subject)</li> <li>• Cockpit Panel drawings</li> </ul>

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<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, B777, MD80, DC-10, MD-11, ATR42, ATR72, F28, F100
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T1+T2
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Maximum 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanics + Avionics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training element of the related aircraft type course, and should have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B1+B2 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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## 7.2 Engine Maintenance Difference Courses

<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B757, B767
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T1/T1+T2
<b>Objectives</b>	<p>Upon completion of the course, the trainee:</p> <ul style="list-style-type: none"> <li>• will have acquired the additional knowledge and skills, which complement the related knowledge, skills learned and experience gained on the source aircraft and engine</li> <li>• obtain the necessary skills to safely maintain the target aircraft equipped with target engines in a reliable and airworthy condition.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanics + Avionics, who are holders of a basic license or equivalent of the source aircraft and engine and who seek extension of type qualification on the target aircraft and engine
<b>Prerequisite</b>	Personnel need to be already qualified on the source aircraft and engine. Student should be able to read, write and communicate at an understandable level in English language
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is a mechanics/electrics/avionics course with ATA 104 level III for all systems. This course is designed for those trainees who have already followed a course on A310 aircraft. It covers all engine system differences between the A310 PW4000 engine towards the GE-CF6 engine or GE-CF6 engine towards the PW4000 engine according to the requirements defined in the related documents for Certifying Staff.</p> <p>For each ATA chapter the trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Familiarization Training Manual</li> <li>• CBT auto run CD-ROM</li> <li>• Abreviation Booklet</li> <li>• AMM/ASM extracts (according to subject)</li> <li>• Cockpit Panel drawings</li> </ul>

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<b>Aircraft types</b>	A300 Basic Model, A310, A300-600, A320 family, A330, A340, B757, B767
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T1/T1+T2
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Standard class: 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanics + Avionics, who are holders of a basic license or equivalent of the source aircraft and engine and who seek extension of type qualification on the target aircraft and engine
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training elements of the related aircraft type course as well as the practical training on the source aircraft. They should also have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B1+B2 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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## 7.3 Aircraft Maintenance Difference Courses

### 7.3.1 Aircraft Maintenance Difference Course T1

<b>Aircraft types</b>	A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, MD80
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T1
<b>Objectives</b>	<p>Upon completion of the course, the trainee:</p> <ul style="list-style-type: none"> <li>• will have acquired the additional knowledge and skills, which complement the related knowledge, skills learned and experience gained on the source aircraft</li> <li>• obtain the necessary skills to safely maintain the target aircraft in a reliable and airworthy condition.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanics, who are holders of a basic license or equivalent of the source aircraft and who seek extension of type qualification on the target aircraft
<b>Prerequisite</b>	<p>Personnel need to be already qualified on the source aircraft</p> <p>Student should be able to read, write and communicate at an understandable level in English language</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is a mechanics course with ATA 104 level III for all systems.</p> <p>This course is designed for those trainees who have already followed a course on source aircraft. It covers all systems differences between the source aircraft towards the target one according to the requirements defined in the related documents for Certifying Staff.</p> <p>The trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Training Manual</li> <li>• Abbreviation Booklet</li> </ul>

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<b>Aircraft types</b>	A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, MD80
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T1
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Maximum 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians - Mechanics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training element of the related aircraft type course, and should have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B1.1 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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### 7.3.2 Aircraft Maintenance Difference Course T2

<b>Aircraft types</b>	A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, MD80
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T2
<b>Objectives</b>	<p>Upon completion of the course, the trainee:</p> <ul style="list-style-type: none"> <li>• will have acquired the additional knowledge and skills, which complement the related knowledge, skills learned and experience gained on the source aircraft</li> <li>• obtain the necessary skills to safely maintain the target aircraft in a reliable and airworthy condition.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Avionics, who are holders of a basic license or equivalent of the source aircraft and who seek extension of type qualification on the target aircraft
<b>Prerequisite</b>	<p>Personnel need to be already qualified on the source aircraft</p> <p>Student should be able to read, write and communicate at an understandable level in English language</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is an avionics course with ATA 104 level III for all systems.</p> <p>This course is designed for those trainees who have already followed a course on source aircraft. It covers all systems differences between the source aircraft towards the target one according to the requirements defined in the related documents for Certifying Staff.</p> <p>The trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Training Manual</li> <li>• Abbreviation Booklet</li> </ul>

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<b>Aircraft types</b>	A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, MD80
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T2
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Maximum 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians - Avionics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training element of the related aircraft type course, and should have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B2 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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### 7.3.3 Aircraft Maintenance Difference Course T1+T2

<b>Aircraft types</b>	A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, MD80
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Theoretical T1+T2
<b>Objectives</b>	<p>Upon completion of the course, the trainee:</p> <ul style="list-style-type: none"> <li>• will have acquired the additional knowledge and skills, which complement the related knowledge, skills learned and experience gained on the source aircraft</li> <li>• obtain the necessary skills to safely maintain the target aircraft in a reliable and airworthy condition.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanical & Avionics, who are holders of a basic license or equivalent of the source aircraft and who seek extension of type qualification on the target aircraft
<b>Prerequisite</b>	<p>Personnel need to be already qualified on the source aircraft</p> <p>Student should be able to read, write and communicate at an understandable level in English language</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This is a mechanical &amp; avionics course with ATA 104 level III for all systems.</p> <p>This course is designed for those trainees who have already followed a course on source aircraft. It covers all systems differences between the source aircraft towards the target one according to the requirements defined in the related documents for Certifying Staff.</p> <p>The trainee must demonstrate by knowledge examination a detailed understanding of the listed systems, their operation and maintenance.</p>
<b>Note</b>	Upon customer request and depending on training location, an aircraft visit for a general familiarization and major component location may be included.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Training Manual</li> <li>• Abbreviation Booklet</li> </ul>

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<b>Aircraft types</b>	A310, A300-600, A320 family, A330, A340, B737CG, B737NG, B757, B767, MD80
<b>Duration</b>	Depends on aircraft type, please refer to the tables on the previous pages
<b>Course type</b>	Practical training T1+T2
<b>Objectives</b>	<p>Upon completion of this practical training, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Safely perform all routine maintenance tasks, operational and functional checks, troubleshooting, fault isolation, MEL dispatch and other necessary procedures to confirm their competence for task performance.</li> <li>• Identify and change faulty components using the appropriate operational documentation (component location &amp; replacement training).</li> </ul>
<b>Course capacity</b>	Maximum 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities. Maintenance Certifying Technicians – Mechanics + Avionics, who are holders of a basic license or equivalent and who seek type qualification on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this practical training course must have completed the theoretical training element of the related aircraft type course, and should have a minimum of 6 month recent practical experience on an aircraft of similar technology.</p> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p>All subjects are covered by the use of a real aircraft. The content of this practical training element fulfils the requirements defined in the related documents for Certifying Staff Type Training Courses for the category B1+B2 Aeroplanes Turbine.</p> <p>It includes the following topics :</p> <ul style="list-style-type: none"> <li>• Utilization of aircraft operational documentation (AMM, IPC, TSM, etc...)</li> <li>• MEL application and related maintenance tasks</li> <li>• Maintenance information on removal, testing and safety involvement</li> <li>• Visualization of system LRU, zone access, cautions</li> <li>• System operation/test for troubleshooting</li> <li>• PIREPS analysis and associated troubleshooting techniques</li> <li>• Aircraft turn-around, cockpit preparation and check</li> <li>• Safety procedures Notes</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Personal Experience Record</li> <li>• Job Cards</li> </ul>

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## 8. PART-145 Courses description

### 8.1 Technical / Practical Courses

#### Initial Operating Experience

<b>Duration</b>	30 Days (or as per contract)
<b>Objectives</b>	<p>Upon completion of this initial operating experience the trainee shall:</p> <ul style="list-style-type: none"> <li>• have transferred and applied his recently acquired competences during the line and base maintenance basic qualification</li> <li>• be able to independently facilitate the entry into service of the related aircraft type.</li> </ul>
<b>Course capacity</b>	Standard class: 3-6 trainees per day
<b>Target population</b>	Technical personnel associated with aircraft maintenance and operations which require operating experience on according aircraft.
<b>Prerequisite</b>	Personnel attending this training course must have successfully completed the theoretical and practical (OJT) training element of the related aircraft type course. Students should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	At customer airline's main base or any other station where new delivered aircraft is operated.
<b>Description</b>	<p>One or more Airbus qualified maintenance instructors are affected to the airline to ensure seamless transition between the theoretical knowledge the trainees have acquired during their type course and the initial operation of the aircraft. Instructors are able to provide assistance in the following areas:</p> <ul style="list-style-type: none"> <li>• Use of operational documentation (AMM, IPC, TSM, etc...)</li> <li>• Servicing operations</li> <li>• Interpretation and analysis of Post Flight Reports (PFR)</li> <li>• Troubleshooting</li> <li>• MEL/CDL application</li> <li>• Maintenance checks (transit, daily, weekly, etc.)</li> <li>• Aircraft handling</li> <li>• Safety procedures</li> </ul>
<b>Note</b>	Trainees may be required to work on day/night shifts.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Library Access - if applicable (e.g. AIRNAV)</li> <li>• Instructor Handouts – if applicable</li> </ul>

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## Cabin Maintenance Course

<b>Duration</b>	5 Days
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Perform all maintenance tasks, inspections and routine work on the systems and up to the level listed in the related regulatory document.</li> <li>• Operate and test, remove and install all major items belonging to the cabin systems.</li> </ul>
<b>Course capacity</b>	Standard class : 12 trainees, 6 per practical group
<b>Target population</b>	Technical personnel associated with line and base maintenance activities associated with cabin maintenance of the aircraft in question.
<b>Prerequisite</b>	Personnel attending this training course should preferably have experience in cabin interior and emergency equipment maintenance of commercial jet aircraft. And should have the knowledge and/or experience required for maintaining turbine powered transport aircraft. Students should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac, France or Customer site.
<b>Description</b>	<p>The course is designed for level 3 according to the definition of ATA 104 General for all current Airbus types A300 B2/B4, A300-600, A310, A318/A319/A320/A321, A330, A340.</p> <p>It comprises theoretical and practical training. The theoretical knowledge part covers the description, maintenance, operation and test procedures of the cabin systems and emergency equipment. The practical training element is preferably performed on customer's aircraft (if possible during C-Check) in order to adapt the contents to its particular configuration. The aircrafts' operational documentation is used to ensure the trainee's ability to correctly perform standard maintenance or corrective actions.</p> <p>The ATA chapters performed are:</p> <ul style="list-style-type: none"> <li>• ATA 21 Air Conditioning</li> <li>• ATA 23 Communications</li> <li>• ATA 24 Electrical Power</li> <li>• ATA 25 Equipment / Furnishing</li> <li>• ATA 26 Fire Protection</li> <li>• ATA 30 Ice &amp; Rain Protection</li> <li>• ATA 33 Lights</li> <li>• ATA 35 Oxygen</li> <li>• ATA 38 Water &amp; Waste</li> <li>• ATA 52 Doors</li> </ul>
<b>Note</b>	For each ATA chapter the trainee is asked to demonstrate by knowledge examination an understanding of the listed systems, their operation and maintenance.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>➤ Cabin Maintenance Training Manual</li> <li>➤ AMM/ASM extracts (according to subject)</li> <li>➤ Cockpit Panel drawings</li> </ul>

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## Engine Run-up Initial Training

<b>Duration</b>	3-4 Days (depending on simulator availability), divided as follows: - 1 theoretical day for standard class size of 4 trainees - 2 simulator session : 1 briefing hour + 4 hours + 1 debriefing hour
<b>Objectives</b>	Upon completion of this course the trainee shall: <ul style="list-style-type: none"> <li>• be able to safely operate the engine after a major repair and/or replacement of engine components</li> <li>• identify normal and abnormal start procedures</li> <li>• carry out power plants tests in accordance with the Maintenance Manual for the according engine installed on the Airbus aircraft in question</li> </ul>
<b>Course capacity</b>	Standard class: 4 trainees
<b>Target population</b>	Technical personnel associated with line and/or base/heavy maintenance activities requiring authorization for engine run-up.
<b>Prerequisite</b>	Personnel must be qualified on the according Airbus aircraft equipped with the relevant engines as Aviation Maintenance Technician (AMT). Participants should have 6 month recent practical experience on this aircraft (or equivalent type) or engine run up certification on other aircraft type. In addition, they should have a basic active knowledge of theoretical ATA chapters (24, 26, 31, 70 – 80) Students should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	According to available simulator sites.
<b>Description</b>	<p>This course comprises theoretical and practical training according to ATA Level IV on following aircraft and engine types :</p> <p>A300 B2/B4 GE CF6 and PW JT9, A300-600 GE CF6 and PW4152, A310 GE CF6 and PWJT9 and PW 4152, A319/320/321 CFM 56 and IAE V2500 A330 GE CF6-80 , RR TRENT700 , PW 4160 A340 CFM 56</p> <p>The engine run-up training provides skills and experiences with starting and operating the engines and related aircraft systems. It emphasizes recognition of normal and abnormal engine and systems operation and provides skills for checking engine performance characteristics.</p> <p>The theoretical training element of 8 hours covers exterior and interior engine inspections required prior to the engine run-up, tests to be performed, engine limitations to be served and the necessary normal, abnormal, emergency and safety procedures involved.</p> <p>The practical training element of 4 hours functional training, for two trainees, uses adequate Full Flight Simulators enabling them to learn the necessary procedures, apply the various checklists and confirm their competence for task performance.</p> <p>Continuous assessment is performed during the practical training.</p>
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Cockpit Panel Drawings 1/2 scale</li> <li>• Maintenance Practical Training Manual</li> <li>• Engine Run-up Check-List</li> </ul>

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## Rigging

<b>Duration</b>	5 Days
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to perform:</p> <ul style="list-style-type: none"> <li>• all required adjustments,</li> <li>• in-depth rigging and</li> <li>• all necessary tests required after a major repair and/or replacement of components.</li> </ul>
<b>Course capacity</b>	Standard class : 6 trainees
<b>Target population</b>	Technical personnel associated with base/heavy maintenance activities performing aircraft systems and components adjustments and rigging. Maintenance Certifying Technicians – Mechanics + Avionics, who are holders of a basic license or equivalent and who seek basic knowledge of rigging procedures on the aircraft.
<b>Prerequisite</b>	<p>Personnel attending this specialized training course should be qualified on the related systems of the according aircraft as Aviation Maintenance Technician (AMT) or holder of a basic "B1" license or equivalent. Preferably they have experience of rigging flight controls on commercial jet aircraft.</p> <p>Students should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac, France or Customer site.
<b>Description</b>	This course comprises theoretical knowledge and practical training to ATA Level IV and provides skills and experience with rigging procedures for all related aircraft mechanical systems such as flight controls, landing gear, doors, etc. The theoretical training element provides detailed coverage of the rigging procedures as laid down in the Aircraft Maintenance Manual. The practical training element uses adequate Maintenance Training Devices and/or real aircraft for components rigging facilities (special tools installation).
<b>Note</b>	If the course takes place at a Customer site, it is preferable to have access to an aircraft in a hangar, preferably during a "C" Check.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Rigging Training Documentation</li> <li>• AMM/ASM extracts (according to subject)</li> <li>• Cockpit Panel drawings</li> </ul>

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## Borescope Inspections

<b>Duration</b>	2 Days
<b>Objectives</b>	<p>Upon completion of the course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• understand the purpose and operation principles of a borescope</li> <li>• interpret the different damages in the engine compressor, engine turbine and combustion chamber but also nominate them</li> <li>• perform the engine preparation</li> <li>• apply the different precautions to prevent engine as well as borescope damage</li> <li>• perform the borescopy actions to be taken following the maintenance manual</li> </ul>
<b>Course capacity</b>	Standard class : 6 trainees
<b>Target population</b>	Technical personnel associated with base/heavy maintenance activities performing borescope inspections. Maintenance Certifying Technicians that work as Inspectors on jet engines – Mechanics + Avionics, who are holders of a basic license or equivalent and who seek basic knowledge of borescope inspection.
<b>Prerequisite</b>	<p>Personnel attending this specialized training course should be qualified on the related systems of the according aircraft as Aviation Maintenance Technician (AMT) or holder of a basic "B1" license or equivalent. Preferably they have already assisted on borescope inspections.</p> <p>Students should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	This course comprises theoretical knowledge and practical training to ATA Level IV and provides skills and experience with borecope inspections for all related aircrafts. It provides engine technicians with the operation principles of borescopy for jet engines. The course is divided into two parts: a theoretical description and a practical demonstration and operation. The practical part includes an applied borescope inspection for each student.
<b>Note</b>	If the course takes place at a Customer site, it is preferable to have access to an aircraft in a hangar which allows inspections of its engines.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Borescopy Training Documentation</li> <li>• AMM/ASM extracts (according to subject)</li> </ul>

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## Towing

<b>Duration</b>	3 Days
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• know the security rules and traffic guidelines on airports and industrial sites</li> <li>• apply all rules concerning tugging operations on the used aircraft</li> <li>• perform successfully towing maneuvers on used aircraft</li> </ul>
<b>Course capacity</b>	Standard class: 4 trainees
<b>Target population</b>	Personnel working on airports or in industrial areas which require towing of large units.
<b>Prerequisite</b>	Recommendations as mentioned in INRS 1st semester 2006 (France).
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac, France or Customer Site
<b>Description</b>	<p>Course proposes two modules :</p> <ul style="list-style-type: none"> <li>• Theory session</li> <li>• Practical session</li> </ul> <p>Main subjects:</p> <ul style="list-style-type: none"> <li>• Regulations and Guidelines for general security</li> <li>• Special regulations guidelines concerning towing</li> <li>• Towing Maneuvers</li> </ul>
<b>Note</b>	Practical Session depends on aircraft availability.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ PowerPoint Slides print out</li> <li>→ Handouts if applicable</li> </ul>

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## Composite Materials

<b>Duration</b>	10 Days
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall :</p> <ul style="list-style-type: none"> <li>• have gained theoretical knowledge of composite materials, their constitutions, making, properties and potential repairs</li> <li>• have gained practical knowledge to be able to manufacture and repair simple composite parts.</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	Personnel working on aircraft structure maintenance.
<b>Prerequisite</b>	Students should be able to read, write and communicate at an understandable level in French and English language.
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac, France
<b>Description</b>	<p>Course proposes two modules :</p> <ul style="list-style-type: none"> <li>• Theory session (1 week)</li> <li>• Practical session (1 week)</li> </ul> <p>Main subjects:</p> <ul style="list-style-type: none"> <li>• Constitution, made up and reinforcement</li> <li>• Sandwich and laminated composite</li> <li>• Manufacturing process</li> <li>• Properties and behavior / performance</li> <li>• Characterization</li> <li>• Possible repairs and tests</li> </ul>
<b>Note</b>	Upon customer request course contents may be customized.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ Technical training manual</li> <li>→ PowerPoint slides</li> </ul>

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## 8.2 Theoretical courses

### Introduction to Aviation

<b>Duration</b>	5 Days
<b>Objectives</b>	<p>Upon completion of this course the trainee shall:</p> <ul style="list-style-type: none"> <li>• have gained a general knowledge of all technical aspects involved in the design of an aircraft</li> <li>• be conscious of security and regulatory policies involved in aviation maintenance and piloting</li> <li>• be able to explain the general layout of the aircraft's major systems</li> </ul>
<b>Course capacity</b>	Standard class: 8 trainees
<b>Target population</b>	<p>This course is designed for everybody who seeks basic understanding of the principles involved in aviation, such as</p> <ul style="list-style-type: none"> <li>• Technical and non-technical managers</li> <li>• Administrative and other support personnel</li> </ul>
<b>Prerequisite</b>	On a technical level none. However, students should be able to read, write and communicate at an understandable level in English language
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site
<b>Description</b>	<p>This course gives basic answers to the question: "What makes an aircraft fly?" It describes in general the aircraft, its systems, system operation and documentation. The underlying subjects are:</p> <ul style="list-style-type: none"> <li>• History</li> <li>• Aircraft design</li> <li>• Aircraft systems and their functioning</li> <li>• Maintenance procedures</li> <li>• Documentation</li> <li>• Security</li> </ul>
<b>Note</b>	The course is limited to 8 trainees because there will be regular visits on aircrafts (if available nearby) in the maintenance hangars to enhance understanding of discussed topics.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• PowerPoint Slides</li> <li>• Handouts – if applicable</li> </ul>

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## Human Factors

<b>Duration</b>	2 Days
<b>Objectives</b>	<p>Upon completion of this course the trainee shall:</p> <ul style="list-style-type: none"> <li>• have gained knowledge of the human factors involved in the aeronautical sector regarding personnel and companies</li> <li>• be conscious of working conditions in regards to all possible security aspects</li> <li>• be aware that an improved consciousness raises productivity and avoids accidents</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	All personnel involved in aeronautical (maintenance) activities.
<b>Prerequisite</b>	Students should be able to read, write and communicate at an understandable level in the English or French language.
<b>Language</b>	English or French or Dutch
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This course is an introduction into human factors and complies with PART-145 Guidance Material GM145.A.30 (e) Training Syllabus. It gives an overview of the human factors involved in the aeronautical sector regarding the personnel and the companies. The underlying subjects are:</p> <ul style="list-style-type: none"> <li>• Introduction to Human Factors</li> <li>• History and aeronautical working culture</li> <li>• Human errors</li> <li>• Human performance capability and its limits</li> <li>• Working Environment</li> <li>• Regulations, procedures, use of equipment, practical guidelines</li> <li>• Communications</li> <li>• Working in teams</li> <li>• Professionalism and integrity</li> <li>• Organization's HF program</li> </ul>
<b>Note</b>	This training is obligatory for all personnel of PART-145 enterprises. However, as same principles apply basically in all working areas, it is of interest to other industrial sectors as well.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ Human Factors PowerPoint Slides</li> <li>→ Handouts if applicable</li> </ul>

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## Aviation Legislation

<b>Duration</b>	1 Day
<b>Objectives</b>	<p>Upon completion of this course the trainee shall:</p> <ul style="list-style-type: none"> <li>• have gained basic knowledge of the requirements connected with EASA PART-66, PART-145 and PART-147 and PART-M regulations</li> <li>• know the basic relationship of the EASA with other Aviation Authorities</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	All personnel involved in aeronautical (maintenance) activities, such as Management, Administration and Support Personnel and particularly certifying staff and maintenance personnel.
<b>Prerequisite</b>	Students should be able to read, write and communicate at an understandable level in the English or French language.
<b>Language</b>	English or French or Dutch
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This course provides the necessary understanding to comprehend the legal implications of EASA regulations. It also provides the knowledge to interpret these legal implications correctly in day-to-day operations.</p> <p>The underlying subjects are:</p> <ul style="list-style-type: none"> <li>• Overview EASA legislation</li> <li>• PART-66</li> <li>• PART-145</li> <li>• PART-147</li> <li>• PART-M</li> </ul>
<b>Note</b>	The course is a stand-up classroom lecture.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ Human Factors PowerPoint Slides</li> <li>→ Handouts if applicable</li> </ul>

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## Fuel Tank Safety - Critical Design Configuration Control Limitation

<b>Duration</b>	1 Day
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall:</p> <ul style="list-style-type: none"> <li>• know the history and the reasons why SFAR88 has been created.</li> <li>• be able to define fuel characteristics and know how to reduce the risks of a fuel tank explosion.</li> <li>• be able to find the way to get CDCCL warnings in most of the relevant documentations: AMM, ESPM, CMM, SB, SIL, AD...</li> <li>• have an understanding of new technologic aspects which may prevent fuel tank explosion.</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	This training is mandatory (AMC 145.A.30(e) and 145.B.10(3)) for all AMT qualified technicians as well as technicians required to work on fuel system, their management, inspectors and auditors.
<b>Prerequisite</b>	N/A.
<b>Language</b>	English or French or Dutch
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	This course gives the history on Fuel Tank incidents. It describes the theoretical and practical background of those elements involved that have lead to these incidents. Furthermore it gives an overview of Special Federal Aviation Regulations 88 of the FAA and of the JAA. It gives a detailed description of the concept of the Critical Design Configuration Control Limitations.
<b>Note</b>	If required, a test can be prepared for the end of the course.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ CDCCL PowerPoint Slides</li> <li>→ CDCCL Handouts.</li> </ul>

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## Airbus Documentation - Structure part (SRM)

<b>Duration</b>	5 Days
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall:</p> <ul style="list-style-type: none"> <li>• Know and understand the structure of aircraft manufacturer documentation (dedicated to the structural part).</li> <li>• Be able to use these documents in order to find identification, reference, drawing and tolerance of any structural part.</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	Technical personnel associated with structure maintenance activities.
<b>Prerequisite</b>	Students should be able to read, write and communicate at an understandable level in the English or French language.
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site.
<b>Description</b>	<p>This course gives first an overview of the aircraft manufacturer documentation. Then typical documentation associated to the structure maintenance will be explained and used.</p> <p>The study of the SRM will constitute the main part of the course.</p> <p>Other documentation as AMM (05 /06 /12 /20) CMM, OHM, DRM, PMS...will also be integrated.</p>
<b>Note</b>	<p>If required, a test can be prepared for the end of the course.</p> <p>Upon customer request course contents may be customized.</p>
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ PowerPoint Slides</li> <li>→ Handouts from SRM, AMM, CMM....</li> </ul>

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## Airbus Documentation - Maintenance part (AMM)

<b>Duration</b>	3 Days
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall:</p> <ul style="list-style-type: none"> <li>• Know and understand the structure of Airbus documentation (dedicated to Maintenance).</li> <li>• Be able to use these documents in order to find identification, reference, wiring, procedures and task associated to any part or system.</li> <li>• Be able to use Airnav software</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	Technical personnel associated with maintenance activities.
<b>Prerequisite</b>	Students should be able to read, write and communicate at an understandable level in the English language.
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site
<b>Description</b>	<p>This course gives first an overview of the Airbus documentation.          Then typical documentation associated to maintenance will be explained and used.          AMM, ASM, AWM, AWL, TSM, IPC, MEL, CDL, TFU...          Practical exercises will be performed on Airnav.</p>
<b>Note</b>	<p>If required, a test can be prepared for the end of the course.          Upon customer request course contents may be customized.</p>
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ PowerPoint Slides</li> <li>→ Technical Training Manual....</li> </ul>

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## Continuing Airworthiness Management

<b>Duration</b>	10 Days										
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall be able to:</p> <ul style="list-style-type: none"> <li>• Understand continuing airworthiness assignments and know the source Regulations behind.</li> <li>• Perform the continuing airworthiness main duties regarding: <ul style="list-style-type: none"> <li>▪ Maintenance Schedule management.</li> <li>▪ Operations Follow-up for A/C logs, defects correction, Components moves history, Records archive.</li> <li>▪ CN/AD follow-up and airworthiness attesting.</li> <li>▪ Applicable maintenance coordination, planning and implementation.</li> <li>▪ Maintenance Programme effectiveness and fleet reliability.</li> </ul> </li> </ul>										
<b>Course capacity</b>	Standard class: 12 trainees										
<b>Target population</b>	Fleet Engineering, Store Engineering and Planning Staff involved in any of continuing airworthiness management tasks.										
<b>Prerequisite</b>	<p>Personnel shall have acquired either:</p> <ul style="list-style-type: none"> <li>• A Part-66 licence or an aeronautical degree or,</li> <li>• A formal aeronautical maintenance training or,</li> <li>• Some experience in continuing airworthiness.</li> </ul> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>										
<b>Language</b>	English or French										
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site										
<b>Description</b>	<p>This course provides theoretical knowledge to Engineering staff involved in continuing airworthiness management. It presents the regulations behind and describes in details the main airworthiness management tasks from original Maintenance Programme carrying out to airworthiness attesting through operations follow-up, CN/AD management and maintenance schedule &amp; implementation. In addition this course introduces the need and techniques for Programme effectiveness monitoring and fleet reliability. Sensitive steps of the continuing airworthiness management will be highlighted to make the trainee aware of duty/task to focus on. The student will have to demonstrate by knowledge examination and practical exercises (MCQ) a detailed understanding of the continuing airworthiness issues and presented methods.</p>										
<b>Note</b>	<p>This course is ignoring actual customer Maintenance Information System (MIS). It remains customer's responsibility to train his staff for airline's MIS using in order to implement the continuing airworthiness issues described in this course.</p> <p>Upon customer request, any customisation of proposed course contents may be achieved.</p>										
<b>Documentation</b>	<table border="0" style="width: 100%;"> <tr> <td>Maintenance Schedule manual.</td> <td>Reliability monitoring manual</td> </tr> <tr> <td>Maintenance Schedule attachments manual</td> <td>MPD extracts</td> </tr> <tr> <td>Fleet operations follow-up manual</td> <td>EASA part –M extracts</td> </tr> <tr> <td>CN/AD follow-up manual</td> <td>CAP 418 extracts</td> </tr> <tr> <td>Checks and work package manual.</td> <td></td> </tr> </table>	Maintenance Schedule manual.	Reliability monitoring manual	Maintenance Schedule attachments manual	MPD extracts	Fleet operations follow-up manual	EASA part –M extracts	CN/AD follow-up manual	CAP 418 extracts	Checks and work package manual.	
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## STC Process - Modification & Documentation

<b>Duration</b>	5 Days
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall be able to:</p> <ul style="list-style-type: none"> <li>• Understand the conception and structure of PART-21 modifications</li> <li>• Understand the constitution of AMM and IPC archive files</li> <li>• Perform technical follow-up on airworthiness modifications (AD, CN)</li> <li>• Know the organisational structure of EASA</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	Fleet Engineering, Store Engineering and Planning Staff involved in any of continuing airworthiness management tasks
<b>Prerequisite</b>	<p>Personnel shall have acquired either:</p> <ul style="list-style-type: none"> <li>• A Part-66 licence or an aeronautical degree or,</li> <li>• A formal aeronautical maintenance training or,</li> <li>• Some experience in continuing airworthiness.</li> </ul> <p>Student should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site
<b>Description</b>	<p>This course provides theoretical knowledge to Engineering staff involved in modification and documentation in continuing airworthiness management. It comprises of the following chapters:</p> <ul style="list-style-type: none"> <li>• MODIFICATION – TC – STC</li> <li>• MODIFICATIONS CLASSIFICATION</li> <li>• STC CATEGORY CERTIFICATION</li> <li>• MODIFICATION PROCESS</li> <li>• USUAL KIND OF CABIN MODIFICATIONS – ANALYSIS AND MAIN DIFFICULTIES</li> <li>• USUAL REGULATION CHAPTER</li> <li>• ADDITIONAL MODULE EASA PRESENTATION AND ORGANIZATION</li> </ul>
<b>Note</b>	Upon customer request, any customisation of proposed course contents may be achieved.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>→ PowerPoint Slides</li> <li>→ Handouts if applicable</li> </ul>

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## Refresh Courses

### Type Training Refresh Course

<b>Duration</b>	5 Days
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall have:</p> <ul style="list-style-type: none"> <li>• refreshed their theoretical knowledge necessary to perform maintenance on mechanical, electrical and avionics systems associated with line and base maintenance</li> <li>• verified their competences on the different systems of an aircraft</li> <li>• exchanged experiences with other technicians concerning troubleshooting.</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities that need a refreshing for renewal of their type license.
<b>Prerequisite</b>	<p>Personnel attending this refresher training course need to have completed the theoretical line and base training element of the related aircraft type course.</p> <p>Students should be able to read, write and communicate at an understandable level in the English language.</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site
<b>Description</b>	<p>All ATA chapters according to the line and base maintenance basic qualification are presented. During and after the presentation an exchange of experiences and competences with the trainer as well as among the students is encouraged. The ATA chapters generally presented are:</p> <p>22, 23, 24, 31, 33, 34 and 21, 25, 26, 27, 28, 29, 30, 32, 35, 36, 38, 49, 52, 70-80</p>
<b>Note</b>	If required, a test can be prepared for the end of the course.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Line and Base basic qualification documentation</li> <li>• Library Access if necessary (e.g. AIRNAV)</li> <li>• Instructor Handouts</li> </ul>

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## Type Training Refresh Workshop

<b>Duration</b>	3 Days
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall have:</p> <ul style="list-style-type: none"> <li>• refresh their theoretical knowledge necessary to perform maintenance on mechanical, electrical and avionics systems associated with line and base maintenance.</li> <li>• verified their competences on the different systems of an aircraft</li> <li>• exchanged experiences with other technicians concerning troubleshooting.</li> </ul>
<b>Course capacity</b>	Standard class: 6 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities that need a refreshing for renewal of their type license.
<b>Prerequisite</b>	Personnel attending this refresher training course need to have completed the theoretical line and base training element of the related aircraft type course. Students should be able to read, write and communicate at an understandable level in the English language.
<b>Language</b>	English
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac or at Customer's site
<b>Description</b>	This course is a workshop and not a stand-up training. An initial discussion with the students is used to determine the ATA chapters that deem most important to the group. These subjects will be presented with the according priority. During and after the presentation an exchange of experiences and competences through discussions with the trainer as well as among the students is encouraged.
<b>Note</b>	None
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Line and Base basic qualification documentation - if necessary</li> <li>• Library Access - if necessary (e.g. AIRNAV)</li> <li>• Instructor Handouts – if necessary</li> </ul>

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## Engine Run-up Refresh

<b>Duration</b>	1 Day (depending on simulator availability) divided as follows: - 1 theoretical day (6 hours net) for standard class size of 4 trainees - 1 simulator session for 2 trainees : 1 briefing hour + 4 hours + 1 debriefing hour
<b>Objectives</b>	Upon completion of this course the trainee shall: <ul style="list-style-type: none"> <li>• be able to safely operate the engine after a major repair and/or replacement of engine components</li> <li>• identify normal and abnormal start procedures</li> <li>• carry out power plants tests in accordance with the Maintenance Manual for the according engine installed on the Airbus aircraft in question</li> </ul>
<b>Course capacity</b>	Standard class: - 4 trainees
<b>Target population</b>	Technical personnel holder of engine run-up certificate and associated with line and/or base/heavy maintenance activities requiring authorization for engine run-up.
<b>Prerequisite</b>	Participants must be qualified on the according Airbus aircraft equipped with the relevant engines as Aviation Maintenance Technician (AMT) and holder of a valid engine run-up course qualification. Students should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	According to available simulator sites.
<b>Description</b>	<p>This course is a recurrence of engine run-up qualification. It comprises theoretical and practical training according to ATA Level IV on the following engines:</p> <p style="margin-left: 40px;">A300 B2/B4 GE CF6 and PW JT9,          A300-600 GE CF6 and PW4152,          A310 GE CF6 and PWJT9 and PW 4152,          A319/320/321 CFM 56 and IAE V2500          A330 GE CF6-80 , RR TRENT700 , PW 4160          A340 CFM 56</p> <p>The engine run-up refresh training improves skills and experiences with starting and operating the engines and emergency procedures. It emphasizes recognition of normal and abnormal engine and systems operation and supply skills for checking engine performance characteristics.</p> <p>The theoretical briefing of 3 hours covers inspections required prior to the engine run-up, engine limitations to be served and the necessary normal, abnormal, emergency and safety procedures involved.</p> <p>The practical simulator session of 4 hours functional training uses adequate Full Flight Simulators enabling the trainees to reinforce the necessary procedures, intensify the various checklists and confirm their competence for task performance.</p> <p>Continuous assessment is performed during the practical training.</p>
<b>Documentation</b>	<ul style="list-style-type: none"> <li>➤ Cockpit Panel Drawings 1/2 scale</li> <li>➤ Maintenance Practical Training Manual</li> <li>➤ Engine Run-up Check-List</li> </ul>

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## Towing Refresh Course

<b>Duration</b>	0.5 Days
<b>Objectives</b>	<p>Upon completion of the course, the trainee shall be able to:</p> <ul style="list-style-type: none"> <li>• Refresh their knowledge of the security rules and traffic guidelines on airports and industrial sites</li> <li>• apply all rules concerning tugging operations on the used aircraft</li> <li>• perform successfully towing maneuvers on used aircraft</li> </ul>
<b>Course capacity</b>	Standard class: 4 trainees
<b>Target population</b>	Personnel working on airports or in industrial areas which require towing of large units.
<b>Prerequisite</b>	<p>Personnel attending this refresher training course need to have completed the basic Towing course.</p> <p>In addition, they have to follow the recommendations as mentioned in INRS 1st semester 2006 (France).</p>
<b>Language</b>	English or French
<b>Course location</b>	Sabena technics training Bordeaux-Mérignac, France or Customer Site
<b>Description</b>	<p>Course proposes two modules :</p> <ul style="list-style-type: none"> <li>• Theory session</li> <li>• Practical session</li> </ul> <p>Main subjects:</p> <ul style="list-style-type: none"> <li>• Regulations and Guidelines for general security</li> <li>• Special regulations guidelines concerning towing</li> <li>• Towing Maneuvers</li> </ul>
<b>Note</b>	Practical Session depends on aircraft availability.
<b>Documentation</b>	→ Handouts if applicable

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## Borescope Inspections Refresh Course

<b>Duration</b>	1 Day
<b>Objectives</b>	<p>Upon completion of the refresh course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• understand the purpose and operation principles of a borescope</li> <li>• interpret the different damages in the engine compressor, engine turbine and combustion chamber but also nominate them</li> <li>• perform the engine preparation</li> <li>• apply the different precautions to prevent engine as well as borescope damage</li> <li>• perform the borescopy actions to be taken following the maintenance manual</li> </ul>
<b>Course capacity</b>	Standard class : 6 trainees
<b>Target population</b>	Technical personnel associated with base/heavy maintenance activities performing borescope inspections. Maintenance Certifying Technicians that work as Inspectors on jet engines – Mechanics + Avionics, who are holders of a basic license or equivalent and who are already qualified on borescope inspection
<b>Prerequisite</b>	<p>Participants must be qualified for borescope inspections.</p> <p>Students should be able to read, write and communicate at an understandable level in English language.</p>
<b>Language</b>	English
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	This course comprises theoretical knowledge and practical training to ATA Level IV and provides skills and experience with borecope inspections for all related aircrafts. It provides refreshed knowledge to the technicians with the operation principles of borescopy for jet engines. The course is divided into two parts: a theoretical description and a practical demonstration and operation. The practical part includes an applied borescope inspection for each student.
<b>Note</b>	If the course takes place at a Customer site, it is preferable to have access to an aircraft in a hangar which allows inspections of its engines.
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• General Borescopy Training Documentation</li> <li>• AMM/ASM extracts (according to subject)</li> </ul>

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## Human Factors, Fuel Tank Safety (CDCCL) and Aviation Legislation Refresh

<b>Duration</b>	1 Day
<b>Objectives</b>	<p>Upon completion of this training, the trainees shall have:</p> <ul style="list-style-type: none"> <li>• refreshed their theoretical basic knowledge of the requirements connected with EASA PART-66, PART-145 and PART-147 and PART-M regulations</li> <li>• refreshed their gained knowledge of the human factors involved in the aeronautical sector regarding personnel and companies</li> <li>• been made aware again to be conscious of working conditions in regards to all possible security aspects</li> <li>• refreshed their gained knowledge of the Fuel Tank Safety (CDCCL) aspects in aircraft maintenance and operations</li> </ul>
<b>Course capacity</b>	Standard class: 12 trainees
<b>Target population</b>	Technical personnel associated with line and base maintenance activities that need a refreshing for renewal of their type license.
<b>Prerequisite</b>	Personnel attending this refresher training course need to have completed the basic Human Factors, the basic CDCCL level 2 as well as the basic Aviation Legislation course. Students should be able to read, write and communicate at an understandable level in the English language.
<b>Language</b>	English or French or Dutch
<b>Course location</b>	Sabena technics training in Bordeaux-Mérignac, France or in Brussels-Zaventem, Belgium or at customer site.
<b>Description</b>	<p>This course gives an overview of the human factors involved in the aeronautical sector and complies with PART-145 Guidance Material GM145.A.30 (e) Training Syllabus. It also serves as a reminder of the legal implications of EASA regulations and their correct interpretation in day-to-day operations concerning PART-66,-145,-147, and -M. Then a review of the main aspects of CDCCL liked operation is done.</p> <p>During and after the presentation an exchange of experiences and competences with the trainer as well as among the students is encouraged.</p>
<b>Note</b>	If required, a test can be prepared for the end of the course.
<b>Documentation</b>	Handouts if applicable

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## ACT Courses

### T1+T2 – LR Enhanced To Classic

<b>Duration</b>	2 Days
<b>Objectives</b>	Upon completion of this difference course, the trainee will have acquired the additional knowledge and skills to safely maintain both LR family a/c equipped with classic or enhanced system.
<b>Course capacity</b>	Maximum 12 trainees
<b>Target population</b>	Maintenance technicians trained only on LR Family Enhanced systems.
<b>Prerequisite</b>	Personnel must have followed one course / be qualified on one LR type with Enhanced systems. Student should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics BOD (e.g. Bordeaux-Mérignac, France) or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<b>THEORETICAL COURSE ELEMENT</b> The content of the theoretical difference training element complies with the requirements defined in related documents for Certifying Staff. <b>PRACTICAL COURSE ELEMENT P1 AND P2</b> Practical training is not required for this difference training course.
<b>Note</b>	Visualization of real aircraft is programmed during the course
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Laptop lent during course with all Technical Documentation</li> <li>• TTM CD Rom</li> <li>• Abbreviation Booklet</li> <li>• Cockpit Panel drawings</li> <li>• AIRBUS Folder with Schematics and Trouble shooting cards</li> </ul>

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## T1+T2 – SA Enhanced to Classic

<b>Duration</b>	2 Days
<b>Objectives</b>	Upon completion of this difference course, the trainee will have acquired the additional knowledge and skills to safely maintain both SA family a/c equipped with classic or enhanced system of the original trained type (CFM or IAE).
<b>Course capacity</b>	Maximum 12 trainees
<b>Target population</b>	Maintenance technicians trained only on SA Family Enhanced systems.
<b>Prerequisite</b>	Personnel must have followed one course / be qualified on one SA type with Enhanced systems. Student should be able to read, write and communicate at an understandable level in English language.
<b>Language</b>	English
<b>Course location</b>	Facilities of Sabena technics BOD (e.g. Bordeaux-Mérignac, France) or other approved maintenance organization or Customer site depending on aircraft availability.
<b>Description</b>	<p><b>THEORETICAL COURSE ELEMENT</b> The content of the theoretical difference training element complies with the requirements defined in the related documents for Certifying Staff. The trainee receives difference training on related systems and must demonstrate by knowledge examination a detailed understanding of those systems, on which he/she received difference training.</p> <p><b>PRACTICAL COURSE ELEMENT P1 AND P2</b> Practical training is not required for this difference training course.</p>
<b>Note</b>	Visualization of real aircraft is programmed during the course
<b>Documentation</b>	<ul style="list-style-type: none"> <li>• Laptop lent during course with all Technical Documentation</li> <li>• TTM CD Rom</li> <li>• Abbreviation Booklet</li> <li>• Cockpit Panel drawings</li> <li>• AIRBUS Folder with Schematics and Trouble shooting cards</li> </ul>

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