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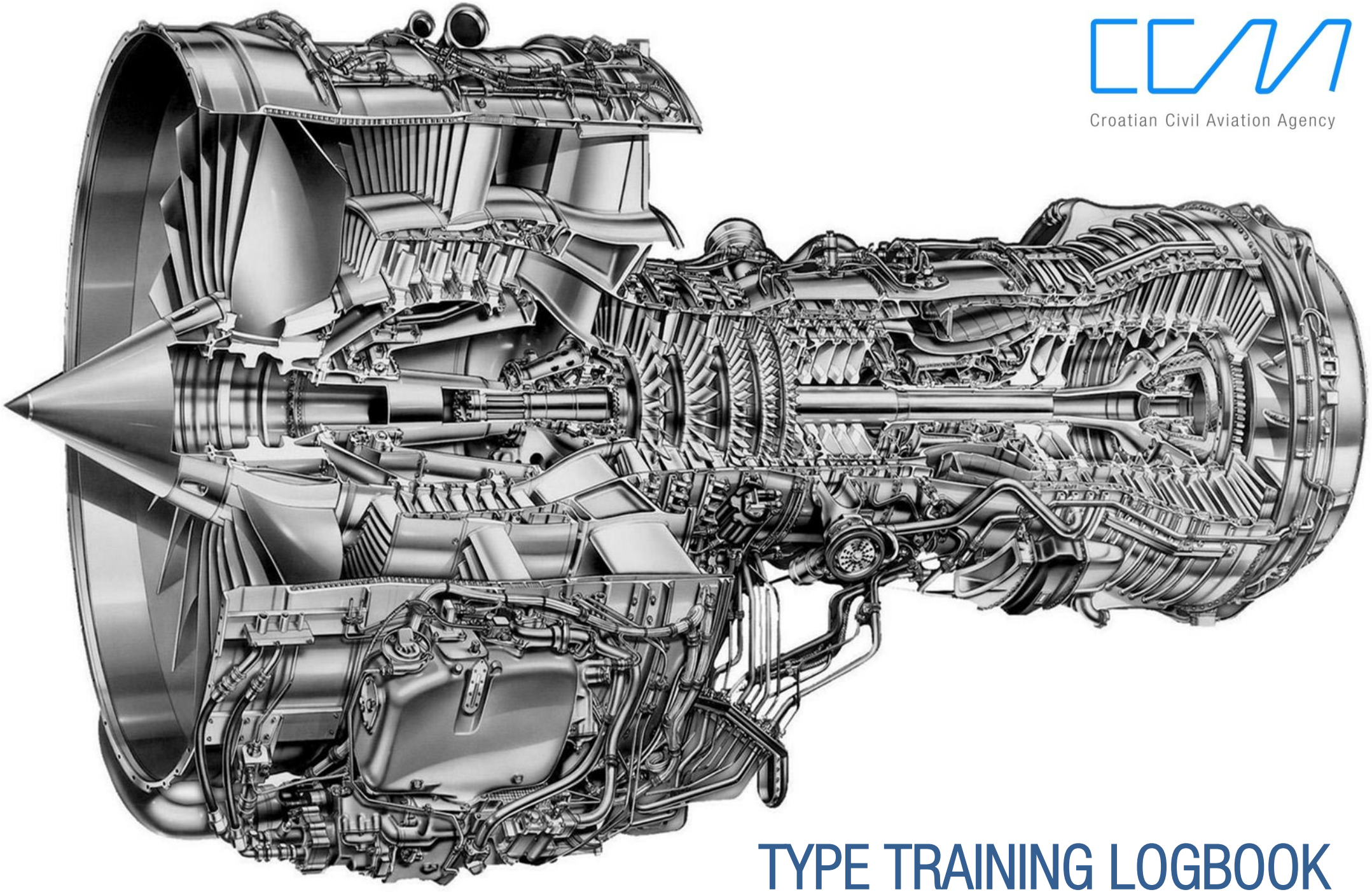

TYPE TRAINING LOGBOOK

Croatian Civil Aviation Agency

AIRCRAFT TYPE PRACTICAL TRAINING LOGBOOK

INTRODUCTION

This logbook has been developed by the CCAA - Croatian Civil Aviation Agency in its current format as the preferred means of recording aircraft type training task's in order to support an application to the Agency to introduce a new aircraft type in aircraft maintenance licence.

LOGBOOK USAGE

The usage of this logbook is voluntary, but where a logbook is submitted in support of an application to introduce a new aircraft type in aircraft maintenance licence it will enable the CCAA to process the application more efficiently and reduce the handling time for the application. A general reference to the logbook contents as it applies to the application will continue to be required on the application form, but the logbook, provided that it has been maintained clearly and accurately and is relevant to the application, will be accepted in lieu of detailed worksheets. The CCAA reserves the right to request supporting information when further clarification becomes necessary. The logbook may be used to support applications under Part-66.

THE LOGBOOK HOLDER

It is the responsibility of the logbook holder to record the tasks, qualifications and experience as necessary and overall to maintain the logbook in a clear and accurate manner.

THE SUPERVISOR

The Supervisor should be a supervisory aircraft maintenance engineer who is in regular contact with the logbook holder. The Supervisor will sign off the entries made by the logbook holder when satisfied that the entries reflect what work he has carried out.

THE ASSESSOR

The Assessor will sign off the Logbook when satisfied that the all entries made by the logbook holder and supervisor reflect the extent of practical skills and maintenance experience necessary for the holder to submit an application for Part-66 Aircraft Maintenance Licence.
It is the Assessor's responsibility to evaluate and agree with the extent of practical skills and maintenance experience.

This Logbook will be accepted for the purpose of introducing a new aircraft type in aircraft maintenance licence only if representative MIX of at least 50 % of the crossed items in the table below, which are relevant to the particular aircraft type, shall be completed as part of the practical training.

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Osobni podaci *(popuniti velikim tiskanim slovima)*

Personal Data (please complete in block letters)

Ime i Prezime *(Name & Family name)*: _____ Potpis (*Signature*): _____

Adresa *(Full Address)*: _____

Datum i mjesto rođenja *(Date and Place of Birth)*: _____ Državljanstvo (Nationality): _____

Početak praktične obuke *(Date of Start)*: _____ Kraj praktične obuke *(Date of end)*: _____

Broj dozvole *(Licence No)*:	Kategorija *(Category)*:	Tip zrakpolova za koji podnosim zahtjev *(Aircraft rating applied for)*:
Poslodavac *(Employer)*:		U radnom odnosu od *(Since)*:
Adresa poslodavca *(Employer Address)*:		

Assessor's *(Name & Family name)*: _____ Potpis *(Signature)*: _____

I hereby confirm that I have assessed this logbook and that all entries made by the logbook holder and supervisor reflect the extent of practical skills and maintenance experience necessary for the holder to submit an application for type endorsement in Part-66 Aircraft Maintenance Licence in the relevant category.

Datum *(Date)*: _____ Žig *(Stamp)*:

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Popis nadzornika *(List of supervisor's)*

1.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
2.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
3.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
4.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
5.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
6.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
7.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
8.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
9.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:
10.	Ime i prezime nadzornika *(Supervisors name):*	Potpis *(Signature):*	Broj dozvole *(Licence No.)*:

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General Information

1. All entries in this logbook shall be made in ink.
2. When used in support of an application for a licence, any false entry in the logbook will constitute a legal offence.
3. Entries in the logbook shall be made personally by the logbook holder and confirmed/certified by an authorised person.
4. Logbook should be kept as whole, no missing pages are allowed.

Completion of the Log pages
The log pages of this book have the following general format:

No.	Date	A/C Reg.	Job No.	Task Detail	LOC,FOT,SGH, R/I,MEL or TS	Supervisor

The following information and instruction for each column shall be observed :

Aircraft Type: Aircraft on which work is performed.

Supervisor's Name: Full name and family name of supervisor.

Licence Number: Supervisor's Aircraft Maintenance Licence number.

No.: Numbering of the items for easy reference.

Date: Indicates the date of closure/certifying by the authorised person (Supervisor).

A/C Reg.: Aircraft registration.

Job No.: The entries made in this column state Workorder or Workorder task that has been performed, to allow traceability. In case of extensive work, it may be useful to add a detailed work report to the logbook folder.

Task Detail: Describes the task performed or competence obtained (Short description of task).

LOC,FOT,SGH ,R/I,MEL or TS: Glossary of the table: LOC: Location; FOT: Functional/Operational Test; SGH: Service and Ground Handling; R/I: Removal/Installation; MEL: Minimum Equipment List; TS: Trouble Shooting

Supervisor: Each entry must be signed to certify that the logbook owner has achieved required competence on the subject or that the task has been carried out correctly under his supervision.

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Referent regulation

Part-66

Appendix III

Aircraft Type Training and Examination Standard

On the Job Training

1. General

Aircraft type training shall consist of theoretical training and examination, and, except for the category C ratings, practical training and assessment.

(b) **Practical training and assessment shall comply with the following requirements:**

(i) Shall be conducted by a maintenance training organisation appropriately approved in accordance with Annex IV (Part-147) or, when conducted by other organisations, as directly approved by the competent authority.

(ii) Shall comply with the standard described in paragraph 3.2 and 4 of this Appendix III, except as permitted by the differences training described below.

(iii) Shall include a representative cross section of maintenance activities relevant to the aircraft type.

(iv) Shall include demonstrations using equipment, components, simulators, other training devices or aircraft.

(v) Shall have been started and completed within the 3 years preceding the application for a type rating endorsement.

3.2. Practical element

(a) Objective:

The objective of practical training is to gain the required competence in performing safe 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, rigging and functional checks. It includes the awareness of the use of all technical literature and documentation for the aircraft, the use of specialist/special tooling and test equipment for performing removal and replacement of components and modules unique to type, including any on-wing maintenance activity.

(b) Content:

At least 50 % of the crossed items in the table below, which are relevant to the particular aircraft type, shall be completed as part of the practical training.

Note*: Representative Mix of at least 50 % of the crossed items*. (50% of LOC, 50% of FOT, 50% of SGH, 50% of R/I, 50% of MEL, 50% of TS)

Tasks crossed represent subjects that are important for practical training purposes to ensure that the operation, function, installation and safety significance of key maintenance tasks is adequately addressed; particularly where these cannot be fully explained by theoretical training alone. Although the list details the minimum practical training subjects, other items may be added where applicable to the particular aircraft type.

Tasks to be completed shall be representative of the aircraft and systems both in complexity and in the technical input required to complete that task. While relatively simple tasks may be included, other more complex tasks shall also be incorporated and undertaken as appropriate to the aircraft type.

Glossary of the table: LOC: Location; **FOT**: Functional/Operational Test; **SGH**: Service and Ground Handling; **R/I**: Removal/Installation; **MEL:** Minimum Equipment List; **TS:** Trouble Shooting.

Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
Introduction module:												
5	Time limits/maintenance checks	X/X	-	-	-	-	-	-	-	-	-	-
6	Dimensions/Areas (MTOM, etc.)	X/X	-	-	-	-	-	-	-	-	-	-
7	Lifting and Shoring	X/X	-	-	-	-	-	-	-	-	-	-
8	Levelling and weighing	X/X	-	X	-	-	-	-	X	-	-	-

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
9	Towing and taxiing	X/X	-	X	-	-	-	-	X	-	-	-
10	Parking/mooring, Storing and Return to Service	X/X	-	X	-	-	-	-	X	-	-	-
11	Placards and Markings	X/X	-	-	-	-	-	-	-	-	-	-
12	Servicing	X/X	-	X	-	-	-	-	X	-	-	-
20	Standard practices — only type particular	X/X	-	X	-	-	-	-	X	-	-	-
Helicopters:												
18	Vibration and Noise Analysis (Blade tracking)	X/–	-	-	-	-	X	-	-	-	-	-
60	Standard Practices Rotor — only type specific	X/X	-	X	-	-	-	-	X	-	-	-
62	Rotors	X/–	-	X	X	-	X	-	-	-	-	-
62A	Rotors — Monitoring and indicating	X/X	X	X	X	X	X	-	-	X	-	X
63	Rotor Drives	X/–	X	-	-	-	X	-	-	-	-	-
63A	Rotor Drives — Monitoring and indicating	X/X	X	-	X	X	X	-	-	X	-	X
64	Tail Rotor	X/–	-	X	-	-	X	-	-	-	-	-
64A	Tail rotor -Monitoring and indicating	X/X	X	-	X	X	X	-	-	X	-	X
65	Tail Rotor Drive	X/–	X	-	-	-	X	-	-	-	-	-

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
65A	Tail Rotor Drive — Monitoring and indicating	X/X	X	-	X	X	X	-	-	X	-	X
66	Folding Blades/Pylon	X/–	X	X	-	-	X	-	-	-	-	-
67	Rotors Flight Control	X/–	X	X	-	X	X	-	-	-	-	-
53	Airframe Structure (Helicopter) Note: covered under Airframe structures											
25	Emergency Flotation Equipment	X/X	X	X	X	X	X	X	X	-	-	-
Airframe structures:												
51	Standard Practices and Structures (damage classification, assessment and repair)											
53	Fuselage	X/–	-	-	-	-	X	-	-	-	-	-
54	Nacelles/Pylons	X/–	-	-	-	-	-	-	-	-	-	-
55	Stabilisers	X/–	-	-	-	-	-	-	-	-	-	-
56	Windows	X/–	-	-	-	-	X	-	-	-	-	-
57	Wings	X/–	-	-	-	-	-	-	-	-	-	-
27A	Flight Control Surfaces	X/–	-	-	-	-	X	-	-	-	-	-
52	Doors	X/X	X	X	-	-	-	-	X	-	-	-
Airframe systems:												

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
21	Air Conditioning	X/X	X	X	-	X	X	X	X	-	X	X
21A	Air Supply	X/X	X	-	-	-	-	X	-	-	-	-
21B	Pressurisation	X/X	X	-	-	X	X	X	-	-	X	X
21C	Safety and warning Devices	X/X	-	X	-	-	-	-	X	-	-	-
22	Autoflight	X/X	-	-	-	X	-	X	X	X	X	X
23	Communications	X/X	-	X	-	X	-	X	X	X	X	X
24	Electrical Power	X/X	X	X	X	X	X	X	X	X	X	X
25	Equipment and Furnishings	X/X	X	X	X	-	-	X	X	X	-	-
25A	Electronic Equipment including emergency equipment	X/X	X	X	X	-	-	X	X	X	-	-
26	Fire Protection	X/X	X	X	X	X	X	X	X	X	X	X
27	Flight Controls	X/X	X	X	X	X	X	X	-	-	-	-
27A	Sys. Operation: Electrical/Fly-by-Wire	X/X	X	X	X	X	-	X	-	X	-	X
28	Fuel Systems	X/X	X	X	X	X	X	X	X	-	X	-
28A	Fuel Systems — Monitoring and indicating	X/X	X	-	-	-	-	X	-	X	-	X
29	Hydraulic Power	X/X	X	X	X	X	X	X	X	-	X	-

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
29A	Hydraulic Power — Monitoring and indicating	X/X	X	-	X	X	X	X	-	X	X	X
30	Ice and Rain Protection	X/X	X	X	-	X	X	X	X	-	X	X
31	Indicating/Recording Systems	X/X	X	X	X	X	X	X	X	X	X	X
31A	Instrument Systems	X/X	X	X	X	X	X	X	X	X	X	X
32	Landing Gear	X/X	X	X	X	X	X	X	X	X	X	-
32A	Landing Gear — Monitoring and indicating	X/X	X	-	X	X	X	X	-	X	X	X
33	Lights	X/X	X	X	-	X	-	X	X	X	X	-
34	Navigation	X/X	-	X	-	X	-	X	X	X	X	X
35	Oxygen	X/–	X	X	X	-	-	X	X	-	-	-
36	Pneumatic	X/–	X	-	X	X	X	X	-	X	X	X
36A	Pneumatic — Monitoring and indicating	X/X	X	X	X	X	X	X	X	X	X	X
37	Vacuum	X/–	X	-	X	X	X	-	-	-	-	-
38	Water/Waste	X/–	X	X	-	-	-	X	X	-	-	-
41	Water Ballast	X/–	-	-	-	-	-	-	-	-	-	-
42	Integrated modular avionics	X/X	-	-	-	-	-	X	X	X	X	X

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
44	Cabin Systems	X/X	-	-	-	-	-	X	X	X	X	X
45	On-Board Maintenance System (or covered in 31)	X/X	X	X	X	X	X	X	X	X	X	X
46	Information Systems	X/X	-	-	-	-	-	X	-	X	X	X
50	Cargo and Accessory Compartments	X/X	-	X	-	-	-	-	-	-	-	-
Turbine/Piston Engine Module:												
70	Standard Practices — Engines — only type particular	–	-	X	-	-	-	-	X	-	-	-
70A	Constructional arrangement and operation (Installation Inlet, Compressors, Combustion Section, Turbine Section, Bearings and Seals, Lubrication Systems)	X/X	-	-	-	-	-	-	-	-	-	-
Turbine engines:												
70B	Engine Performance	–	-	-	-	-	X	-	-	-	-	-
71	Power Plant	X/–	X	X	-	-	-	-	X	-	-	-
72	Engine Turbine/Turbo Prop/Ducted Fan/ Unducted fan	X/–	-	-	-	-	-	-	-	-	-	-
73	Engine Fuel and Control	X/X	X	-	-	-	-	-	-	-	-	-
73A	FADEC Systems	X/X	X	-	X	X	X	X	-	X	X	X
74	Ignition	X/X	X	-	-	-	-	X	-	-	-	-

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
75	Air	X/–	-	-	X	-	X	-	-	-	-	-
76	Engine Controls	X/–	X	-	-	-	-	X	-	-	-	-
77	Engine Indicating	X/X	X	-	-	X	X	X	-	-	X	X
78	Exhaust	X/–	X	-	-	X	-	-	-	-	-	-
79	Oil	X/–	-	X	X	-	-	-	-	-	-	-
80	Starting	X/–	X	-	-	X	X	-	-	-	-	-
82	Water Injection	X/–	X	-	-	-	-	-	-	-	-	-
83	Accessory Gearboxes	X/–	-	X	-	-	-	-	-	-	-	-
84	Accessory Gearboxes	X/–	X	-	-	-	-	-	-	-	-	-
Auxiliary Power Units (APUs):												
49	Auxiliary Power Units (APUs)	X/–	X	X	-	-	X	-	-	-	-	-
Piston Engines:												
70	Standard Practices — Engines — only type particular	–	-	X	-	-	-	-	X	-	-	-
70A	Constructional arrangement and operation (Installation Inlet, Compressors, Combustion Section, Turbine Section, Bearings and Seals, Lubrication Systems)	X/X	-	-	-	-	-	-	-	-	-	-

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
70B	Engine Performance	–	-	-	-	-	X	-	-	-	-	-
71	Power Plant	X/–	X	X	-	-	-	-	X	-	-	-
73	Engine Fuel and Control	X/X	X	-	-	-	-	-	-	-	-	-
73A	FADEC Systems	X/X	X	-	X	X	X	X	X	X	X	X
74	Ignition	X/X	X	-	-	-	-	X	-	-	-	-
76	Engine Controls	X/–	X	-	-	-	X	-	-	-	-	-
77	Engine Indicating	X/X	X	-	-	X	X	X	-	-	X	X
78	Exhaust	X/–	X	-	-	X	X	-	-	-	-	-
79	Oil	X/–	-	X	X	-	-	-	-	-	-	-
80	Starting	X/–	X	-	-	X	X	-	-	-	-	-
81	Turbines	X/–	X	X	X	-	X	-	-	-	-	-
82	Water Injection	X/–	X	-	-	-	-	-	-	-	-	-
83	Accessory Gearboxes	X/–	-	X	X	-	-	-	-	-	-	-
84	Propulsion Augmentation	X/–	X	-	-	-	-	-	-	-	-	-

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Chapters		B1/B2	B1					B2				
		LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
Propellers:												
60A	Standard Practices — Propeller	–	-	-	X	-	-	-	-	-	-	-
61	Propellers/Propulsion	X/X	X	X	-	X	X	-	-	-	-	-
61A	Propeller Construction	X/X	-	X	-	-	-	-	-	-	-	-
61B	Propeller Pitch Control	X/–	X	-	X	X	X	-	-	-	-	-
61C	Propeller Synchronising	X/–	X	-	-	-	X	-	-	-	X	-
61D	Propeller Electronic control	X/X	X	X	X	X	X	X	X	X	X	X
61E	Propeller Ice Protection	X/–	X	-	X	X	X	-	-	-	-	-
61F	Propeller Maintenance	X/X	X	X	X	X	X	X	X	X	X	X

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AMC to Paragraphs 1(b), 3.2 and 4.2 of Appendix III to Part-66 "Aircraft Type Training and Examination Standard. On-the-Job Training"

Practical element of the aircraft type training

1. The practical training may include instruction in a classroom or in simulators but part of the practical training should be conducted in a real maintenance or manufacturer environment.
2. The tasks should be selected because of their frequency, complexity, variety, safety, criticality, novelty, etc. The selected tasks should cover all the chapters described in the table contained in paragraph 3.2 of Appendix III to Part-66.
3. The duration of the practical training should ensure that the content of training required by paragraph 3.2 of Appendix III to Part-66 is completed.

Nevertheless, for aeroplanes with a MTOM equal or above 30 000 kg, the duration for the practical element of a type rating training course should not be less than two weeks unless a shorter duration meeting the objectives of the training and taking into account pedagogical aspects (maximum duration per day) is justified to the competent authorit

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Aircraft Type: .....

(Aircraft/Engine combination)

No.	Date	A/C Reg.	Job No.	Task Det	Owner's signature	LOC,FOT,SGH R/I,MEL or TS	Supervisor's signature
							*
							*
							*
							*
							*
							*

* *The above work has been carried out correctly by the logbook owner under my supervision and in accordance with the appropriate technical documentation.*

Logbook Owner's Name:..... Signature:.....