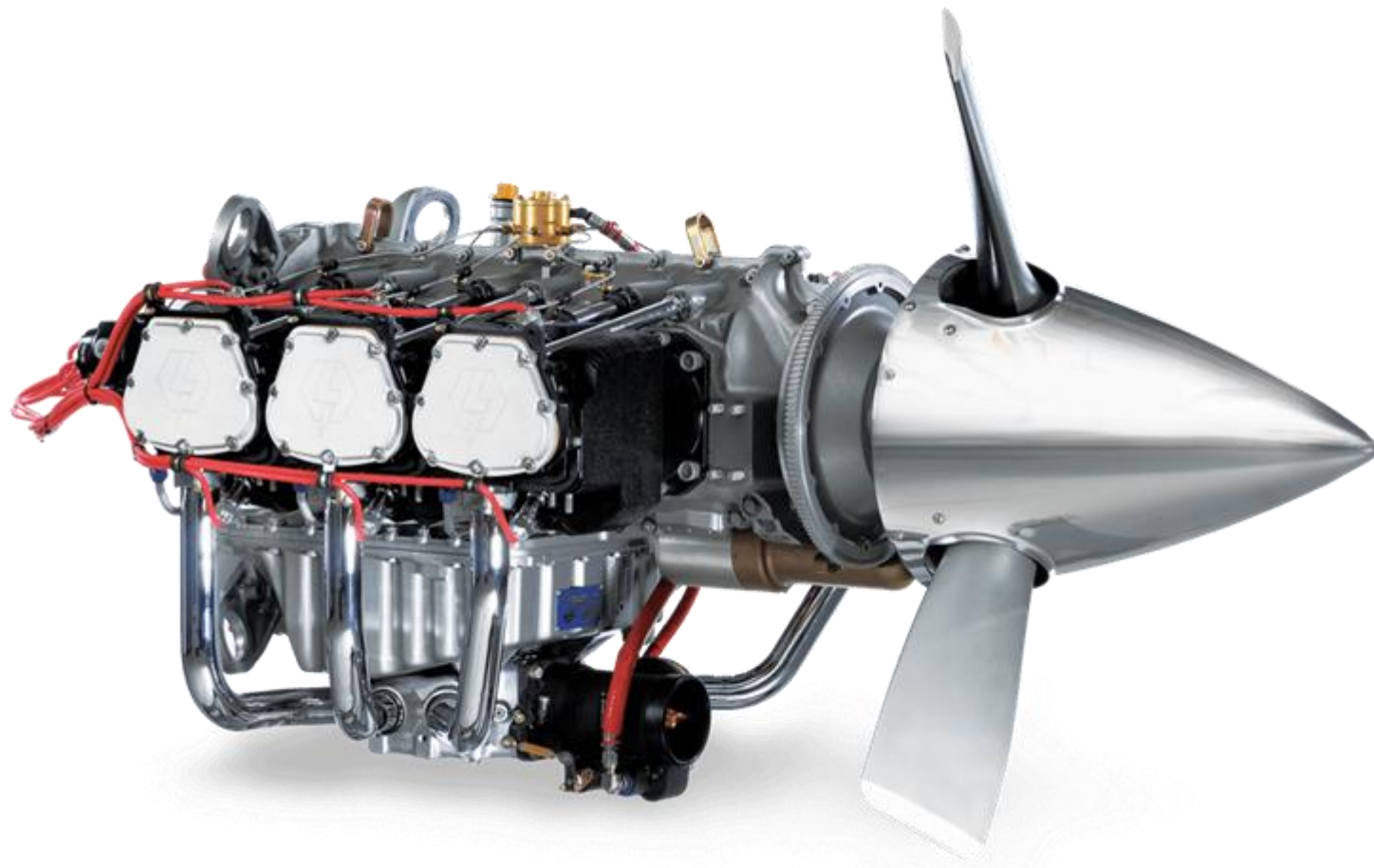




Croatian Civil Aviation Agency



## GROUP 3 AIRCRAFT PRACTICAL EXPERIENCE LOGBOOK (B2)

## 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/group practical maintenance experience in order to support an application to the Agency to introduce a new aircraft type/group in aircraft maintenance licence.

### LOGBOOK USAGE

The usage of this logbook is mandatory in support of an application for aircraft full group 3 endorsement in aircraft maintenance licence.

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.

## 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 <i>(Licence No.):</i>		Kategorija <i>(Category):</i>
Tip/grupa zrakoplova za koji podnosim zahtjev <i>(Aircraft rating applied for):</i>		
Ovlaštenje za grupu <i>(Group rating):</i>		

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/group endorsement in Part-66 Aircraft Maintenance Licence in the relevant category.

Datum *(Date):* \_\_\_\_\_ Broj dozvole *(Licence No.):* \_\_\_\_\_

## Odobrene organizacije za održavanje *(Approved Maintenance Organisation(s))*

1.	Odobrena organizacija za održavanje i broj odobrenja <i>( Approved Maintenance Organisation &amp; Organisation Approval No.):</i>
	Adresa <i>(Location):</i>
2.	Odobrena organizacija za održavanje i broj odobrenja <i>( Approved Maintenance Organisation &amp; Organisation Approval No.):</i>
	Adresa <i>(Location):</i>
3.	Odobrena organizacija za održavanje i broj odobrenja <i>( Approved Maintenance Organisation &amp; Organisation Approval No.):</i>
	Adresa <i>(Location):</i>
4.	Odobrena organizacija za održavanje i broj odobrenja <i>( Approved Maintenance Organisation &amp; Organisation Approval No.):</i>
	Adresa <i>(Location):</i>
5.	Odobrena organizacija za održavanje i broj odobrenja <i>( Approved Maintenance Organisation &amp; Organisation Approval No.):</i>
	Adresa <i>(Location):</i>

## Popis nadzornika *(List of supervisor's)*

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

## General Information

1. All entries in this logbook shall be made in ink.
2. When used in support of an application for a licence amendment, 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:

Aircraft Type(s) / Registration: ..... *(for example: Diamond DA 20 Contintinental / XX-XXX)*.....  
 (Aircraft/Engine combination)

ATA - 05 Time limits/Maintenance checks	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
							Work Pack No.

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

**Aircraft Type:** Aircraft on which work is performed.

**ATA - 05 Time limits/Maintenance checks:** ATA chapter applicable tasks.

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

**A/C Registration:** Aircraft registration.

**Owner's signature:** Each entry must be signed by owner

**Supervisor's signature:** 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.

**Performed/Supervise/Release:** Type of work

**CAT. Used:** (B2)

**Duration in Days:** Duration in days or partial-days

**Work Pack No.:** The entries made in this column state Workorder or Workorder task that has been performed, to allow traceability.

## Referent regulation

### **AMC 66.A.45(d), (e)3, (f)1 and (g)1 Endorsement with aircraft ratings**

1 The “practical experience” should cover a representative cross section including at least 50% of tasks contained in Appendix II to AMC relevant to the license category and to the applicable aircraft type ratings or aircraft (sub)group ratings being endorsed. This experience should cover tasks from each paragraph of the Appendix II list. Other tasks than those in the Appendix II may be considered as a replacement when they are relevant. In the case of (sub)group ratings, this experience may be shown by covering one or several aircraft types of the applicable (sub)group and may include experience on aircraft classified in group 1, 2 and/or 3 as long as the experience is relevant. The practical experience should be obtained under the supervision of authorised certifying staff.

2 In the case of endorsement of individual type ratings for Group 2 and Group 3 aircraft, for the second aircraft type of each manufacturer (sub)group the practical experience should be reduced to 30 % of the tasks contained in Appendix II to AMC relevant to the license category and to the applicable aircraft type. For subsequent aircraft types of each manufacturer (sub)group this should be reduced to 20 %.

3 Practical experience should be demonstrated by the submission of records or a logbook showing the Appendix II tasks performed by the applicant. Typical data to be recorded are similar to those described in AMC 66.A.20(b)2.

### **AMC 66.A.20(b)2.**

The experience should be documented in an individual logbook or in any other recording system (which may be an automated one) containing the following data:

- Date;
- Aircraft type;
- Aircraft identification, i.e. registration;
- ATA Chapter (optional);
- Operation performed i.e. 100 FH check, MLG wheel change, engine oil check and complement, SB embodiment, troubleshooting, structural repair, STC embodiment...;
- Type of activity, i.e. perform, supervise, release;
- Category used: A, B1, B2, B3 or C;
- Duration in days or partial-days.

## Glossary:

**ABC** - Automatic Boost Control

**ADI** - Attitude Direction Indicator

**AMC** - Automatic Mixture Control

**AMM** - Aircraft Maintenance Manual

**APU** - Auxiliary Power Unit

**ATC** - Air Traffic Control

**AVM** - Aircraft Vibration Monitor

**BITE** - Built in Test Equipment

**CFDIU** - Centralized Fault Display Interface Unit

**CMU** - Central Monitoring Unit

**DME** - Distance Measuring Equipment

**ECU** - Electronic Control Unit

**EIS** - Electronic Instrument System

**ELT** - Emergency Locator Transmitter

**ESD** - Electrostatic Sensitive Device

**FADEC** - Full Authority Digital Engine Control

**FCU** -Fuel Control Unit

**FDR** - Flight Data Recorder

**GPS** - Global Positioning System

**HF** - High Frequency

**HIRF** - High Intensity Radiated Field

**HP** - High Pressure

**HIS** - Horizontal Situation Indicator

**LRU** - Line Replaceable Unit

**PRT** - Power Recovery Turbine

**PTU** - Power Transfer Unit

**RPM** - Revolutions Per Minute

**TAT** - Total Air Temperature

**TCAS** - Traffic Collision Avoidance System

**THS** - Trimmable Horizontal Stabiliser

**VHF** - Very High Frequency

**VOR** - Visual Omni Range

**VSWR** - Voltage Standing Wave Ratio



Aircraft Type: .....  
 (Aircraft/Engine combination)

ATA - 05 Time limits/Maintenance checks	Date	A/C registration	Owner's signature	Supervisor signature	Performed/ Supervise/ Released	CAT. used	Duration in Days
							Work Pack No.
100 hour check (general aviation aircraft)							
Assist carrying out a scheduled maintenance check i.a.w. AMM							
Review Aircraft maintenance log for correct completion							
Review records for compliance with Airworthiness Directives							
Review records for compliance with component life limits							
Procedure for inspection following lightning strike							
ATA - 06 Dimensions/Areas	Date	A/C registration	Owner's signature	Supervisor signature	Performed/ Supervise/ Released	CAT. used	Duration in Days
Locate component(s) by zone/station number							
<b>Logbook Owner's Name:</b>				<b>Licence No.:</b>		<b>Signature:</b>	

ATA - 12 Servicing	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
							Work Pack No.
Connect ground power							
ATA – 22 Auto flight	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
Replace amplifier							
Check operation of auto-pilot							
Check operation of yaw damper							
Perform autopilot gain adjustments							
Troubleshoot faulty system							
Check flight management systems							
ATA – 23 Communications	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
Replace VHF COM unit							
Logbook Owner's Name:			Licence No.:		Signature:		

ATA – 22 Auto flight	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
							Work Pack No.
Replace amplifier							
Check operation of auto-pilot							
Check operation of yaw damper							
Perform autopilot gain adjustments							
Troubleshoot faulty system							
Check flight management systems							
ATA – 23 Communications	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
Replace VHF COM unit							
Logbook Owner's Name:			Licence No.:		Signature:		

Replace HF COM unit							
Replace existing antenna							
Replace static discharge wicks							
Check operation of radios							
Perform antenna VSWR check							
Perform SELCAL operational check							
Functionally check audio integrating system							
Repair coaxial cable							
Troubleshoot faulty system							
Check SATCOM							
<b>Logbook Owner's Name:</b>				<b>Licence No.:</b>		<b>Signature:</b>	

ATA - 24 Electrical Power	Date	A/C registration	Owner's signature	Supervisor's signature	Performed/ Supervise/ Release	CAT. Used	Duration in Days
							Work Pack No.
Charge lead/acid battery							
Charge Ni-Cad battery							
Check battery capacity							
Deep-cycle Ni-Cad battery							
Replace integrated drive/generator/alternator							
Replace switches							
Replace circuit breakers							
Adjust voltage regulator							
Change voltage regulator							
Amend electrical load analysis report							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Repair/replace electrical feeder cable							
Troubleshoot faulty system							
Perform functional check of integrated drive/generator/ alternator							
Perform functional check of voltage regulator							
Perform functional check of emergency generation system							
<b>ATA - 25 Equipment/Furnishings</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Check ELT for compliance with regulations							
<b>ATA - 26 Fire protection</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Check cabin fire extinguisher contents							
Inspect engine fire wire detection systems							
<b>ATA - 28 Fuel</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Check calibration of fuel quantity gauges							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Check operation feed/selectors							
Troubleshoot faulty system							
<b>ATA - 30 Ice and rain protection</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Replace timer							
Check operation of systems							
Operational test of the pitot-probe ice protection							
Operational test of the wing ice protection system							
Troubleshoot faulty system							
<b>ATA - 31 Indicating/recording systems</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Replace flight data recorder							
Replace cockpit voice recorder							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Replace clock							
Replace master caution unit							
Troubleshoot faulty system							
<b>ATA - 33 Lights</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Repair/replace rotating beacon							
Repair/replace landing lights							
Repair/replace navigation lights							
Repair/replace interior lights							
Replace ice inspection lights							
Repair/replace logo lights							
Repair/replace emergency lighting system							
Perform emergency lighting system checks							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		



Troubleshoot faulty system							
<b>ATA - 34 Instruments</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Troubleshoot faulty system							
Calibrate magnetic direction indicator							
Replace airspeed indicator							
Replace altimeter							
Replace air-data computer							
Replace ADI							
Replace HSI							
Check pitot static system for leaks							
Check operation of directional gyro							
Check calibration of pitot static instruments							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Compass replacement direct/indirect							
Functional check flight director system							
<b>ATA - 34 Surveillance</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Troubleshoot faulty system							
Functional check weather radar							
Functional check doppler							
Functional check TCAS							
Functional check ATC transponder							
Check calibration of pressure altitude reporting system							
<b>ATA - 34 Navigation</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Functional check inertial navigation system							
Complete quadrantal error correction of ADF system							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Check GPS							
Test AVM							
Check marker systems							
Functional check DME							
<b>ATA – 71 Powerplant</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Repair faulty wiring							
Troubleshoot							
<b>ATA - 74 Ignition systems, piston</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Change magneto							
Change plugs							
Test plugs							
Check H.T. leads							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Install new leads							
Check timing							
Check system bonding							
Troubleshoot faulty system							
<b>ATA - 77 Engine Indicating</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Replace engine instruments(s)							
Replace oil temperature bulb							
Replace thermocouples							
Check calibration							
Troubleshoot faulty system							
<b>ATA - 80 Starting</b>	<b>Date</b>	<b>A/C registration</b>	<b>Owner's signature</b>	<b>Supervisor's signature</b>	<b>Performed/ Supervise/ Release</b>	<b>CAT. Used</b>	<b>Duration in Days</b>
							<b>Work Pack No.</b>
Replace starter							
Replace start relay							
<b>Logbook Owner's Name:</b>			<b>Licence No.:</b>		<b>Signature:</b>		

Replace start control valve							
Check cranking speed							
Troubleshoot faulty system							
<b>Logbook Owner's Name:</b>				<b>Licence No.:</b>		<b>Signature:</b>	