



## REMOVAL OF LIMITATIONS Group 3 Aircraft SYLLABUS

### TRAINEE

**Family name:** \_\_\_\_\_ **First Name:** \_\_\_\_\_

**License No.:** \_\_\_\_\_

**Date and Place of Birth:** \_\_\_\_\_ **Nationality:** \_\_\_\_\_

### MAINTENANCE ORGANISATION

**Company Name:** \_\_\_\_\_ **Ref. Nr. CH.145.** \_\_\_\_\_

### LICENSE CATEGORY

**EASA Part-66 B1.2**

**EASA Part-66 B3**

### TRAINING PERIOD

**Starting Date:** \_\_\_\_\_ **End Date:** \_\_\_\_\_ **Number of Hours:** \_\_\_\_\_

### REMOVAL OF LIMITATION

**Metal aeroplanes**

**Composite aeroplanes**

**Metal tubing & fabric aeroplanes**

**Wooden aeroplanes**

**Pressurized aeroplanes**

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## SUPERVISOR\*

Lastname	First name	License Nr	Signature

\*For the endorsement of your license, attach a license copy of all signing Supervisors with your application Form19.

## INTRODUCTION

This Syllabus is applicable to the category B1.2 & B3 Part-66 license holder for the removal of the limitations of the group 3 Aircraft rating. For the category B1.2 it affects „Full group 3” rating or for the category B3 „Full rating piston engine non pressurized airplane of 2000kg MTOM and below”.

The preliminary requirement to endorse a group rating in a Part-66 license are practical experience (maintenance activities) in accordance with EASA part 66.A.45 (f). The practical experience tasks must cover all relevant maintenance activities and shall be a representative cross-section regarding to the required group 3.

If the applicant is not able to demonstrate the required experience or the application is incomplete, the application may be refused or the license will be endorsed with a limited group rating or a single type rating/s.

Following group 3 limitations exist according Part 66.A.45:

- Wooden airplanes
- Metal tubing & fabric airplanes
- Metal airplanes
- Composite airplanes.
- Pressurized airplanes **only for B1.2**



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The wording “*competence obtained*” means that the license holder and, if applicable, the organisation where he/ she is contracted/ employed, should ensure that he/ she has acquired the appropriate knowledge, skills, attitude and experience to maintain the aircraft of the group. Because of the nature of a group rating it is important that some systems and technology in the future or present are not covered by the syllabus. It is therefore the responsibility of the license holder after receiving the group rating to acquire the necessary competence.

## INITIAL APPLICATION

For the initial application, you are allowed to apply for **one** limitation (structure) only.

For this purpose use **both** log books: “Initial practical experience group 3 Aircraft” & the log book “Removal of limitation group 3 Aircraft”. Fill out both Syllabus according to the required group limitation.

To remove further group 3 limitations after the entry of Group 3 into the license use **only** log book “Removal of limitations group 3”.

## GUIDANCE TO THE SYLLABUS

It is required that:

- Maintenance activities have to be performed on airplanes of at least two different manufacture and of the same limitation (structure). If the aircraft type is not listed under the group 3 Aircrafts of the appendix I list, it is necessary to get previously the FOCA permission that the required maintenance experience tasks are allowed to perform on an Annex II aircraft.
- All **mandatory maintenance tasks marked with a letter M and bold** have to be performed.
- As of the remaining maintenance tasks at least 50% must be performed from each Chapter of the Syllabus.
- An annual check must be performed on an aircraft corresponding to the requested limitation of the airplane structure. Please note that a signed copy of at least one annual checklist must be attached to the license application for each limitation removal.
- Under the column “aircraft registration” only maintenance experience gained on aircrafts are allowed to be filled in. Activities referring to schools, modules and courses are not permitted.
- Each Log. Book is assigned to one person only.
- All entries must be made in capital letters (signatures are excluded) and with a permanent pen.
- Corrections are accomplished by crossing out with a horizontal line and write the correction above or beside.
- Start and finishing date of the practical experience must be noted on the front page of the LOG BOOK.
- Only completed LOG BOOK's are accepted.
- Each task performed by the trainee shall be supervised and counter signed by an *authorized certifying staff*. Collecting signature are not permitted.



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**REMOVAL OF LIMMITATIONS**

**Metal aeroplanes**

AC Registration		Aircraft type	Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
AC Registration		Aircraft type	Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
Date	Competence obtained		Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
	<b>M</b>	<b>Perform two annual check i.a.w manufacturer instructions and AMP (provide a copy of the signed checklists used to FOCA)</b>					
	<b>M</b>	<b>Perform detailed introduction to standard practices and structure</b>					
	<b>M</b>	<b>Assess class and type of damage</b>					
		Perform a penetrate inspection of cracks					
		Select and prepare metal sheet					
		Perform repair of stringer or rib or spar structure					
		Perform repair of skin structure					
	<b>M</b>	<b>Inspect / repair / replace lose rivets, fasteners, cam-locks</b>					
	<b>M</b>	<b>Assess corrosion</b>					
	<b>M</b>	<b>Treat corrosion</b>					
		Apply protective treatment					
		Prepare perform painting after repair					
		Inspect/repair of empennage components					
		Perform balancing after repair / painting					
		Perform resistance measurement of bonding system					



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## Composite aeroplanes

AC Registration		Aircraft type						
AC Registration		Aircraft type						
Date	Competence obtained			Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
	<b>M</b>	<b>Perform two annual check i.a.w manufacturer instructions and AMP (provide a copy of the signed checklists used to FOCA)</b>						
	<b>M</b>	<b>Perform detailed introduction to standard practices and structure</b>						
	<b>M</b>	<b>Perform tap-test/coin-test</b>						
	<b>M</b>	<b>Perform a light-test</b>						
	<b>M</b>	<b>Assess class and type of damage</b>						
		Prepare different types of adhesives/resins for repairs						
		Select and prepare fibre glass materials of different stiffness (45% vs. 90%)						
	<b>M</b>	<b>Evaluate / adapt environmental conditions for work with composite</b>						
		Perform repair of composite sandwich structure						
	<b>M</b>	<b>Perform repair of composite surface structure</b>						
		Prepare/perform painting after repair						
		Perform balancing after repair/painting						
		Apply protective treatment						
		Assess corrosion						
		Treat corrosion						
	<b>M</b>	<b>Perform resistance measurement of bonding system</b>						
		Inspect / repair of empennage components						



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## Wooden aeroplanes

AC Registration		Aircraft type		Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
AC Registration		Aircraft type		Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
Date	Competence obtained			Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
	<b>M</b>	<b>Perform two annual check i.a.w manufacturer instructions and AMP (provide a copy of the signed checklists used to FOCA)</b>						
	<b>M</b>	<b>Perform detailed introduction to standard practices and structure</b>						
	<b>M</b>	<b>Assess type of damage</b>						
		Inspect wood structure using tapping method						
		Prepare different types of glue/adhesives for repairs						
	<b>M</b>	<b>Prepare/ select wood materials for repairs</b>						
		Perform repair of wood structure one of the following three options is mandatory:						
		Perform repair of spar						
		Perform repair of rib						
		Perform repair of box-spar						
		Perform repair of plywood surface structure, needing bending						
		Prepare / perform finishing of repair						
	<b>M</b>	<b>Inspect / test coating (tension, loose fabric, cracks)</b>						
		Perform a scarfjoint repair						
		Inspect/ repair of empennage components						
		Perform doping and taping						
		Perform repair of fabric covering						
	<b>M</b>	<b>Select and prepare fabric materials</b>						



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		Perform lacing (including blind lacing)					
		Evaluate / adapt environmental conditions for work with fabric					
		Prepare / perform painting after repair					
		Perform balancing after repair /painting					

### Metal Tubing & Fabric covering aeroplanes

<b>AC Registration</b>		<b>Aircraft type</b>	
<b>AC Registration</b>		<b>Aircraft type</b>	

Date	Competence obtained		Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
	<b>M</b>	<b>Perform two annual check i.a.w manufacturer instructions and AMP (provide a copy of the signed checklists used to FOCA)</b>					
	<b>M</b>	<b>Perform detailed introduction to standard practices and structure</b>					
		Inspect/ test coating (tension, loose fabric, cracks)					
		Inspect/ test metal tubes					
		Perform penetrant inspection of cracks					
	<b>M</b>	<b>Assess type of damage</b>					
		Perform repair of metal tube fuselage structure					
		Perform repair of stringer/ or rib/ or spar structure of wing/ or stabilizer /or aileron/ or elevator					
		Select and prepare fabric materials					
		Evaluate/adapt environmental conditions for work with fabric					
	<b>M</b>	<b>Perform repairs of fabric covering</b>					
		Perform lacing (including blind lacing)					
		Perform doping and taping					



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		Prepare/perform painting after repair					
		Perform balancing after repair /painting					
	<b>M</b>	<b>Inspect/repair/replace lose rivets, fasteners, cam-locks</b>					
		Assess corrosion					
		Treat corrosion					
		Apply protective treatment					
		Inspect/repair of empennage components					
		Perform resistance measurement of bonding system					
<b>Pressurized aeroplanes (only for B1.2)</b>							
<b>AC Registration</b>			<b>Aircraft type</b>				
<b>AC Registration</b>			<b>Aircraft type</b>				
Date		Competence obtained	Reference	AC Registra- tion	Trainee Signature	Supervisor Signature	Hours
	<b>M</b>	<b>Perform two annual check i.a.w manufacturer instructions and AMP (provide a copy of the signed checklists used to FOCA)</b>					
		Replace combustion heater					
		Replace outflow valve					
	<b>M</b>	<b>Replace / check safety valve</b>					
		Replace vapour cycle unit					
		Replace cabin blower					
		Replace heat exchanger					
		Replace pressurisation controller					
	<b>M</b>	<b>Clean outflow valves</b>					





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		Deactivate / reactivate cargo isolation valve					
		Deactivate / reactivate avionics ventilation components					
	<b>M</b>	<b>Check operation of air conditioning / heating system</b>					
	<b>M</b>	<b>Check operation of pressurisation system</b>					
	<b>M</b>	<b>Troubleshoot faulty system</b>					
	<b>M</b>	<b>Functional Check</b>					
	<b>M</b>	<b>Cabin leak Check</b>					
		Replace and service compressor					
<b>ATA 35 Oxygen</b>							
Date		Competence obtained		AC Registra- tion	Trainee- Signature	Supervisor Signature	Hours
		Inspect on-board oxygen equipment					
	<b>M</b>	<b>Purge and recharge oxygen system</b>					
		Replace regulator					
		Replace oxygen generator					
	<b>M</b>	<b>Test crew oxygen system</b>					
		Perform auto oxygen system deployment check					
	<b>M</b>	<b>Troubleshoot faulty system</b>					



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ATA 56 Windows							
Date	Competence obtained			AC Registra- tion	Trainee- Signature	Supervisor Signature	Hours
		Replace windshield					
		Replace cabin window					
	<b>M</b>	<b>Repair transparency</b>					
Additional optional tasks							
Date	Competence obtained			AC Registra- tion	Trainee- Signature	Supervisor Signature	Hours