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Federal Department of the Environment,
Transport, Energy and Communication DETEC

Federal Office of Civil Aviation FOCA
Safety Division - Flight Operations

FOCA AltMoC

Alternative Means of Compliance

Digital Logbook dLog

Scope	Digital Logbook acceptable by FOCA
Applies to	All Swiss licence holders
Valid from	01 September 2020
Business object	341.311.00
Prepared by	SBFP / amh
Released by	SB AFS / 14 July 2020
Distribution	Internal/External

This document is an

Alternative Means of Compliance (AltMoC) issued by FOCA



according to

Regulation (EU) No 1178/2011 (Air Crew), FCL.050

Log of Revision (LoR)

Date	Issue	Revision	Highlight of Revision
07.07.2020	1	0	First Issue

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0 Introduction

By issuing this AltMoC, FOCA aims to establish and make publicly available the forms and manners of recording of flight time acceptable by FOCA.

0.1 Terms and Conditions

The use of the male **gender** should be understood to include male and female persons.

The most frequent **abbreviations** used by the **EASA** are listed here: easa.europa.eu/abbreviations.

When used throughout the AltMoC the terms such as «shall, must, will, may, should, could, etc.» shall have the meaning as defined in the [English Style Guide](#) of the European Commission.

0.2 Legal References

Commission Regulation (EU) No 1178/2011:

- FCL.050 Recording of flight time
- AMC1 FCL.050

0.3 Purpose of this AltMoC

The purpose of this AltMoC is to establish circumstances under which a digital logbook is acceptable to be used to log and submit flight time solely in electronic format.

In Annex I to ED Decision 2020/005/R, the new AMC1 FCL.050 foresees the possibility to make logbook entries in electronic format. Requirements that need to be fulfilled in order to keep the recording of flight time completely digital without printing, signing and carrying them along in a paper version are not foreseen and are thus subject to this AltMoC.

It intends to establish the form and manner of a digital logbook acceptable to FOCA.

0.4 Scope

This AltMoC deals with the requirements of a digital logbook in order to ensure integrity.

1 Logbook Formats Acceptable by FOCA

Pursuant to FCL.050, a pilot shall keep a reliable record of all hours flown. The competent authority shall establish the form and manner that is acceptable.

FOCA as competent authority establishes the following forms and manners of a pilot's logbook to be acceptable:

- paper version in the format as established in AMC1 FCL.050
- electronic version when printed, signed and carried along in the format as established in AMC1 FCL.050
- digital logbook, when accepted by FOCA

2 Conditions for Acceptance of a Digital Logbook

A digital logbook may be used to log flight time and submit the records to the competent authority electronically.

In this case, the digital logbook shall ensure that subsequent alteration of records is prevented. In case of necessary corrections, they shall be traceable (change log).

The following conditions shall be fulfilled before FOCA approves a digital logbook:

- The flightlog (including change log, signatures etc.) electronically sent to the authority need to fulfill the format as established in AMC1 FCL.050
- Existing change log, which records every subsequent change to an existing entry
- The change log cannot be edited by the flightlog owner
- The change log is automatically attached to the flight log file when it is sent to the authority
- Specific flights (examiner flights, proficiency checks,...) have to be electronically signed
- Electronic signatures (as defined by FOCA) from a third party (ATO/DTO, HOT, Instructor, Examiner, ...) are deleted when the flightlog entry is subsequently changed

3 Digital Logbooks Accepted by FOCA

A list of all digital logbooks accepted by FOCA is published on FOCA website.

All tools listed therein can be used by Swiss licence holders without further approval.

Tools that are not on this list need prior FOCA approval. The requests can be sent to pel-inspector@bazl.admin.ch.