

CAP1529 Guidance Material

Aircraft Maintenance Type Practical Training (within a UK Part 147 Organisation)

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Abbreviations and Terms

CA	Competent Authority
CAA	Civil Aviation Authority
EASA	European Aviation Safety Agency
MTO	Maintenance Training Organisation
MTOE	Maintenance Training Organisation Exposition
NAA	National Aviation Authority
OJT	On the Job Training
PTP	Practical Training Program
PTS	Practical Training Syllabus

“The objective of type practical training is to gain competence in performing safe maintenance....as appropriate for the type of aircraft...”

Part-66, Appendix III

1. Introduction

This guidance material has been produced to assist those involved with Part-147 aircraft maintenance training, by providing guidance to existing Aircraft Maintenance Licensing requirements regarding the **Practical training** element of type training under changes introduced by Commission Regulation (EU) No.1321/2014.

NOTE: This document is for guidance only and the main reference points; Annex III of Regulation (EC) No. 1321/2014 (Part-66) Appendix III. Para 3.2, its amendments and associated AMC & GM, should always be referred to.

Type Practical training should not be confused with On the Job Training (OJT), which forms part of the first type rating application process.

OJT is a programme of hands on maintenance experience agreed with the competent authority and provided by an approved maintenance organisation that includes one to one supervision involving actual work tasks performance on the relevant aircraft/components, covering line and/or base maintenance. The supervisor shall have oversight of the entire process and must ensure that tasks are completed satisfactorily, utilising relevant manuals and observing any safety measures etc. The supervisor should also carry out a competency assessment as part of the OJT and the feedback report(s) be supplied to the Nominated Assessor. Once the requisite number of tasks has been completed, the nominated assessor will conduct an individual assessment of the OJT records to determine compliance with the requirements and refer to any feedback reports from the supervisors. This is dealt with in a separate guidance document: CAP1530 Licensed Engineer OJT Guidance.

NOTE: Simulation of OJT tasks is not allowed, however flight simulators may be of benefit for certain tasks.

2. Practical Training

Practical training is not to be confused or substituted with the practical element of the theory training, (i.e. the aircraft visit). Practical training is a structured training event which consolidates the knowledge gained during the theoretical phase of type training and as such, may be performed after or integrated within the theory training. However, it must not be performed before theoretical training (AMC to section 1 of Appendix III of Part-66 refers).

Practical training should:

- Address the different parts of the aircraft which are representative of the structure, the systems/components installed and the cabin.
- Include the use of technical manuals, maintenance procedures and the operational interfaces with the aircraft (e.g. FMC, electronic flight bag, etc).
- Include common maintenance and ground handling activities.
- Cover both type specific and generic safety elements of the aircraft's maintenance.
- Develop the student's competence in performing safe maintenance, prior to the practical assessment.

The purpose of Practical training is not to include all the maintenance tasks associated with a particular type, but a representative sample of them that will allow the student to acquire the knowledge, attitude and skills to safely carry out maintenance on that type.

3. Practical Training Record

A Practical Training Record (often referred to as a Practical training logbook) will be created by the Part 147, completed by the student and a certified true copy retained by the Part 147 organisation delivering the training. It will chronicle the training activities carried out during the practical training course and the subsequent assessment of trainee competence.

This booklet will be created by the Part 147 organisation and be type specific. The Practical Logbook shall list all of the applicable ATA's as specified within Appendix III Section 3.2 to Part 66 and must be approved by the competent authority. It shall accurately record the training given to each of the students; therefore if the students are split into separate groups it will be necessary to ensure accurate recording of each student's participation and progress throughout the training. This may be done by using individual PTRs or linking an attendance record sheet with a master PTR.

As a record of type training and student participation, it must be retained in its entirety for audit purposes and will be constructed from the following basic elements:

- a) Record Guidance Material.
- b) Practical training Program (high level calendar).
- c) Practical Training Syllabus (detailed training activities).
- d) Practical Training Assessment for each student.