

APPENDIX C  
PHYSICAL FACILITIES

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**C.1 Applicability.**

This appendix prescribes the training center facilities requirements for issuing a training center certificate under ECAR Part 147.

**C.2 General.**

The following facilities are required to accommodate the training of maintenance engineers. The instructional equipment, shop equipment, hand tools and physical layout of the building must meet the requirements outlined in ECAR 147.11. The facility must constitute an environment suitable for learning.

The facilities must be built in accordance with a reputable code, this includes electrical and mechanical installations.

An Aviation Maintenance Training Center must have instructional equipment and suitable facilities appropriate to the ratings taught and approved by the ECASA. Instructional aids must be of a type, quantity, and quality appropriate to the needs of the curriculum and the number of students.

**C.3 Classrooms.**

The size of the classrooms must be adequate for the number of students in class (3.25 square meter per student). The number of student in a class should not exceed 18. Larger groups of students are acceptable for special types of training – films, visiting lecturers, etc. For Computer Based Training instruction, one station must be provided for not more than two students.

The classrooms must be adequately air-conditioned, ventilated, lighted and are not routinely subject to significant distractions. It should be provided with appropriate means to shadow natural light when using video tapes or similar devices.

A reasonably sized flat top desk (at least 60cm x 80cm) must be provided for each student together with a comfortable upright chair. The instructor needs a similar desk and chair.

The classrooms should be equipped with all necessary training aids for each approved course. All classrooms must be fitted with a white board, overhead projector and screen (the white board may be used instead of the screen). Student response systems which enable each student to visually signal an answer to a question posed by the instructor are recommended. Wiring (even empty wiring conduits) for possible future equipment installations should be provided.

An area suitable for classroom instruction may not be suitable for lab and/or shop. With appropriate scheduling and consideration of factors such as ventilation, lighting, noise, and temperature control, an area appropriate for lab and/or shop may be acceptable for classroom instruction.

In case of shops, ventilation must be such that fumes from painting, fueling, degreasing, doping facilities, etc., are properly removed from the immediate work area and are not allowed to pass into other instructional areas.

**C.4 Assembly Hall And Cinema.**

A large hall must be provided to fulfill the occasional requirement for bringing a large audience together for special purposes such as examinations, special lectures and addresses, prize-giving ceremonies and film shows.

The seats must be in rows without desks and must be of the stackable type which will enable some of them to be moved out of the way, allowing desks, also stackable, to be brought in. The hall must be provided with a raised platform, a microphone system, video projection system and cinema.

**C.5 Management And Instructor Accommodation.**

Each instructor must have a place where he can work in reasonable privacy and quiet for such purposes as preparing lectures and setting and marking examinations. He must have a desk for his books and other working material, and a locker for personal possessions. Individual private offices are not necessary, and double or even multi-occupation is acceptable provided there is a minimum floor space of about 5 or 6 square meters per instructor.

Management instructors and the chief instructor must be provided with reasonably sized private rooms for private interviews with staff and students. Secretarial accommodation and facilities should be adjacent to the management rooms. A meeting room must also be provided.

**C.6 Technical Library.**

Must be adequately air-conditioned, ventilated, lighted and not routinely subject to significant distractions.

It must be comprehensive enough to provide those reference manuals, textbooks (training manuals) and lecture notes which are absolutely necessary to cover the curriculum. All students should be supplied with individual copies of the textbooks and lecture notes for their personal use and retention – at least one additional master set should be held in the library.

The library should also contain works, which supplement, explain and expand on the course material. It is desirable that it contains other works on related aspects of aviation.

There must be some tables and chairs for instructors and students to use in the library. In a small training center, a room of about 30 square meters with bookshelves on the wall and five or six tables will be adequate.

There must be a stocking, supervision, and control system.

In addition to the normal daytime hours, the library should be open for evening training activities.

**C.7 Printing And Copying Room.**

The room must be adequately air-conditioned, ventilated, lighted, and maintained in a tidy and clean condition.

There must be a supervision and control system.

In addition to the normal daytime hours, the printing and copying room should be open for evening training activities.

**C.8 Facilities Emergency and Fire Fighting Equipment.**

A reputable international life safety code must be adopted according to which the facilities should be equipped with safety and fire fighting devices, appropriate emergency equipment, advisory marks in clear places of the buildings, along with appropriate emergency exits suitable for all abnormal conditions. A first aid kit must be readily available at all times. All employees must be trained for the use of the life saving and fire fighting equipment.

**C.9 Rest Rooms.**

A reputable international sanitary code must be adopted according to which the number of rest rooms should be suitable and must be adequately ventilated, and lighted. Rest rooms must be maintained in a clean condition.

**C.10 Catering Facilities.**

The size, service hours, and type (e. g. take away canteen, cafeteria-type canteen, or restaurant) of the catering facilities must be appropriate with respect to the training hours, the number of trainees and the number of employees. Vending machines must be provided to offer snacks, hot and cold drinks when training activities are expected to be held outside the normal working hours.

Whether the catering services are managed by the training center or a separate catering specialist contractor, high standards and quality of food and cleanliness must be maintained.

The catering facilities must be adequately lighted and ventilated.