

**SCALE 15**  
**EDUCATION AND INDOOR MILITARY TRAINING ACCOMMODATION**

1 This Scale is to be read in conjunction with Scales 1 and 45. It applies to units with a requirement for educational and indoor military training.

2 The facilities in this scale should cater for most requirements, but for variations to meet particular needs, refer to Scale 1. Where practical, consideration should be given to providing the facilities on a garrison basis.

3 The scale may also be used as a guide for the provision of facilities at Trade Training Establishments, or Specialist Schools (e.g. HMS RALEIGH, Royal School of Signals, RAF Operational Conversion Units).

4 For details relating to Ranges refer to Scale 49 and for Respirator Testing Chambers refer to Scale 55.

5 This scale provides for two basic types of instructional room:

(a) CLASSROOMS - for theoretical instruction/training on vehicles/ equipment e.g. radar, radio, etc and for instruction in academic subjects.

(b) PRACTICAL TRAINING ROOMS - for practical training e.g. with unit weapons and equipments, MT driver training, accident prevention etc.

6 Where training is being given in simulated conditions, e.g. an interview room, the accommodation should replicate the room given in the appropriate scale, with additional space for instructor(s) as required.

7 Where a unit has a permanent commitment to train personnel on equipment for which simulators are issued, a dedicated room or rooms may be provided.

8 As different types of units have significantly different training requirements, the number of rooms, and the proportion of classrooms to practical training rooms required must be assessed at project brief stage.

9 The planning of the accommodation should allow for some individual rooms to be aggregated into larger areas by means of movable partitions.

10 Some units may have a requirement for one or two rooms to be divorced from the central complex, e.g. a room may be attached to the Training Theatre, 25 Metre Range, or MT Accommodation, but wherever possible indoor training accommodation should be provided in one complex within the unit to provide maximum flexibility of use.

11 As some of the activities which take place in the practical training rooms are noisy, it may be desirable to

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separate noisy and quiet activities by planning the accommodation on two floors. In this event the practical training rooms should be on the ground floor to allow heavy demonstration vehicles/ equipment to be moved into and out of the rooms.

12 The walls of instructional rooms should have a minimum sound reduction of 35dB(A).

13 Instructional rooms should have a clear ceiling height of 3.0m to permit the maximum utilisation of audio-visual teaching aids.

14 Blackout curtains or blinds may be fitted where required. They are to be hand operated.

15 A covered lean-to may be provided for instructional use outdoors and to give temporary refuge in inclement weather. It will not normally be provided in addition to a drill shed.

16 Coat hooks may be provided as required.

17 The Technical Library scaled at Serial 22 is intended primarily for work-related publications. Where a requirement exists for a 'leisure' library facility, this should be identified at project brief stage.

18 Where there is a requirement for a Lecture theatre (normally on a Garrison basis), this should be identified at project brief stage.

19 – 20 Spare.

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Accommodation	Area	M & E Services	Planning Notes, Special Fittings, etc.
(a)	(b)	(c)	(d)
21 Entrance and Corridors	To be provided out of area addition	<b>Illumination</b> - 175 lux External light over entrance. <b>Electric Power</b> - One 13A socket outlet to every 37.0m <sup>2</sup> of floor space or to every 12m run of corridor. <b>Heating</b> - 16.0°C.	Double swing doors to open both ways. Notice board inside entrance. Outside notice board if required.
22 Information Room	Establishment 100 - 499 40.0m <sup>2</sup> 500 - 999 55.0m <sup>2</sup> 1000 - 1499 65.0m <sup>2</sup> 1500 - 2500 70.0m <sup>2</sup>	<b>Illumination</b> - 350 lux <b>Electric Power</b> - One 13A double socket outlet to every 18.5m <sup>2</sup> of floor space. <b>Heating</b> - 18.5°C.	To be provided at ground floor level whenever possible. Pin boards as required.
23 Technical Library	Establishment 100 - 249 35.0m <sup>2</sup> 250 - 499 45.0m <sup>2</sup> 500 - 999 55.0m <sup>2</sup> 1000 - 1499 70.0m <sup>2</sup> 1500 - 2500 80.0m <sup>2</sup>	<b>Illumination</b> - 350 lux, 100 lux for lowest bookshelves. <b>Electric Power</b> - Two 13A double socket outlets in each office, and in library; one 13A double socket outlet in store, and for each individual study desk, and as required for electrical equipment. <b>Heating</b> - 18.5°C.	Includes office space (which may be separately partitioned) for librarian(s), and book store. Library shelving as required. Space for individual study as required. See also Serial 17.

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(a)	(b)	(c)	(d)
24a Instructors' Preparation Room	8.5m <sup>2</sup> per instructor		Refer to Scale 45. Shelving and cupboards for training pamphlet library as required. Draughtsman type working surface with drawers under per room. Refer to Scale 45.
b Training Office(s)			
25 Classrooms	2.0m <sup>2</sup> per student for lectures; 2.5m <sup>2</sup> per student for audio booths. Both include space for lecturer.	<b>Illumination</b> - 350 lux for desks, 225 lux for dry wipe board. <b>Electric Power</b> - One 13A double socket outlet adjacent to dais. Further power supplies to instructional equipment as required. <b>Heating</b> - 18.5°C. <b>Ventilation</b> - Refer to Scale 1 Serials 39 -41.	Roller chalkboards or dry wipe boards for each room. Pin boards as required. Dais if required. Built-in cupboards for storage of textbooks, teaching aids, and general classroom equipment as required. Fixtures and fittings for static training aids as required, e.g. radio training desks.

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(a)	(b)	(c)	(d)
26 Practical Training Rooms	60.0m <sup>2</sup> each room (minimum width 7.0m)	<b>Illumination</b> - 350 lux with supplementary lighting for specific activities as required <b>Electric Power</b> - Two 13A double socket outlets per room minimum. Further power supplies to instructional equipment as required. <b>Heating</b> - 18.5°C. <b>Ventilation</b> - 4 air changes per hour (Winter) 10 per hour (Summer). Central and individual mechanical ventilation extraction system(s) to suit installed equipment.	Access doors to be wide enough to permit passage of demonstration equipment, e.g. Land Rover chassis. Fairface finish floors, walls and ceilings. Dry wipe boards, chalkboards & pinboards as required. Wall kick strip. Secure arms rack where required.
27 Training Aids/ Equipment Store	100 - 249 9.0m <sup>2</sup> 250 - 499 14.0m <sup>2</sup> 500 - 1499 18.5m <sup>2</sup> 1500 - 2500 24.0m <sup>2</sup>	<b>Illumination</b> - 100 lux <b>Heating</b> - 13°C.	Lockable built-in cupboards for storage as required. Lockable stable door to store. NOTE: Refer to Scale 1 for security requirements.

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(a)	(b)	(c)	(d)
28 Training Aids Workshop (not to be provided if 'tradesman' facilities are provided else where e.g. Scale 56)	20.0m <sup>2</sup>	<b>Illumination</b> - 100 lux, task lighting over work benches. <b>Electric Power</b> - Socket outlets for power tools as required. <b>Heating</b> - 16.0°C. <b>Ventilation</b> - Central or individual mechanical ventilation extraction system(s) to suit installed equipment.	Fixed work bench(s).
29 Drill Shed (if required)	280m <sup>2</sup>	<b>Illumination</b> - 100 lux	Open fronted. To be located on one side of Parade Ground.
30 Covered lean-to (if required)	To be wide enough to allow training with dismounted equipment.	<b>Illumination</b> - 100 lux	Refer to Serial 15.

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(a)	(b)	(c)	(d)
<p>31 Toilet Area</p> <p>a For full-time student attendance</p> <p>b For occasional student attendance</p> <p>Basic Provision</p> <p>Plus per instructional room</p>	<p>To be provided out of area addition.</p> <p>a Refer to Scale 1 Annex B</p> <p>b WC Urinal WHB</p> <p>1 1 1</p> <p>1 1 1</p>		<p>Refer to Scale 1 Annex B. Toilet facilities may be segregated for instructors and students, and divided male/female as required..</p>

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