

## CHAPTER 14

### THE GROUPING AND ZEROING RANGE

#### INTRODUCTION

1401. **General.** Although grouping and zeroing (G&Z) may be carried out on most ranges, it is often expedient to include a G&Z range as part of a range complex to enable this task to be carried out concurrently with other shooting practices. The recommended distance for G&Z of rifles and the LSW is 100 m.

1402. **Aim.** This chapter describes the construction requirements for G&Z ranges and in particular:

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#### RANGE DANGER AREAS

1403. The RDA requirements for a G&Z range are:

- WDA.** When open ground is used with or without a fall of shot bank (see paragraph 1407), the WDA template shown at Figure 19-2 is applied to each firing point. See Figure 14-1.
- LDA.** If the range is constructed to Gallery criteria using a mantlet and stop butt, the GR RDA may be applied. See Figure 14-2.

#### SITING

1404. **Requirements.** A reasonably flat, northerly orientated, well drained site, about 120 m long is required. The width of the range depends on the number and width of the firing lanes.

1405. **Lane Width.** The lane width is normally 6 m but this may be reduced to 4 m to reduce ground works and if insufficient land is available.

#### CONSTRUCTION

1406. **General.** A G&Z range is shown in outline at Figure 14-1. The construction has been specifically designed to provide a cost effective, single task range.

1407. **Fall of Shot Bank.** Typically a 1.5-2.5 m high bank is provided only to indicate fall of shot.

1408. **Targetry.** Zeroing screens or AMS may be used.

1409. **Firing Points.** Firing points are required to allow firing from all postures. They should be raised 450 mm above the range floor with a fall of 1:12 to the rear (see Figure 2-13). Fire trenches may be included to extend the use of the range. Figure 2-13 shows a standard firing point.

## **COMMUNICATIONS**

1410. A means of summoning the emergency services, ideally a land laid telephone, is to be available.

## **MAINTENANCE**

1411. Ranges with a Gallery RDA template must be maintained to the full GR standard (see Chapter 15).



