

| | | |
|---|--|---|
| <p>DEFENCE INFRASTRUCTURE ORGANISATION</p> | <p>TECHNICAL ADVISORY SECTION (ROYAL ENGINEERS) (TAS(RE))</p> <p>Headquarters Defence Training Estate Blenheim Hall Land Warfare Centre, Warminster, Wiltshire BA12 0DJ</p> <p>Tel: 01985 222434</p> <p>FAX : 2259</p> <p>Email: DE Ops DTE-HQEstDel8a frank.compton251@mod.uk</p> |  |
|---|--|---|

RANGE ADVICE NOTE 6/11

See Distribution

Reference:

Our reference: 28-14-01

- A. JSP 403 Volume II
- B. Range Advice Note 3/11 – Use of Plastic Timber.

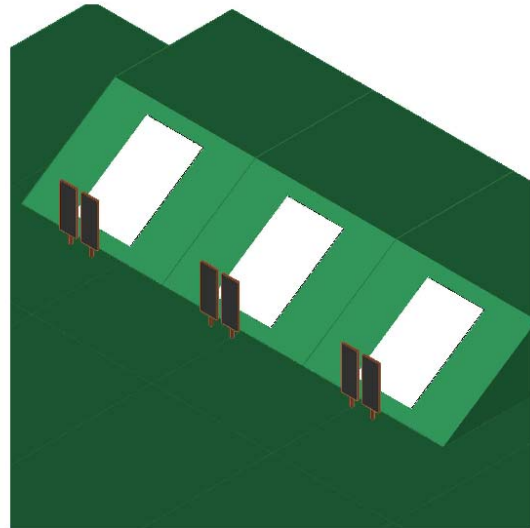
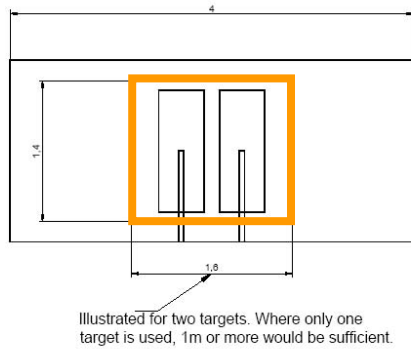
Date 1 Nov 2011

Gallery Range Mantlets – Shooting in Boxes.

1. **Background.** With the introduction of 50 m ACQM practices there will be an increased volume of shooting into mantlets on Gallery Ranges. Although mantlets have been used in this way in the past for LNV shoots the volume of rounds now being fired will generate an increased frequency of maintenance. To help ease the de leading in the mantlet shooting in boxes may be installed in the mantlets as described in Chapter 15 of Reference A.
2. **Construction.** Shooting in boxes are provided to take the majority of rounds fired during 50 m ACQM shoots and as such need to be constructed around each target array. The boxes are to be made of a soft material such as timber that will not generate hard ricochet. There will always be wide shot that will damage the materials used in constructing these boxes so this should be taken into consideration when choosing the material used. Also on ranges where LMG or GPMG are used extensively, attrition on the mantlet may be high. Refer also to Reference B that describes the use of plastic timber. Targets are normally positioned in pairs within a 4 m lane on Gallery Ranges. Mantlets vary greatly in layout so the actual size and position of shooting in boxes may vary from range to range; a typical layout is shown below.
3. **Requirement.** The requirement is for the shooting in boxes to capture all rounds fired from 50 – 25 m that pass through or close to the targets.

Mantlet Conversion

Typical detail to capture the majority of shot fired in order to ease maintenance.



This detail will be provided in the next change to Reference A.

Link to Range Advice Notes and JSP 403:

<http://defenceintranet.diiweb.r.mil.uk/DefenceIntranet/Library/CivilianAndJointService/BrowseDocumentCategories/SafEnvFire/Safety/OrdnanceAndExplosivesSafety/Jsp403HandbookOfDefenceLandRangesSafetyLettersandNotices.htm>

Original signed

F S Compton
OC TAS(RE)

Distribution:

Information:

Sec DLRSC
DTE Dep Comd
LTAR
LSS TAROM