

LAND RANGES SAFETY SUB COMMITTEE

RANGE SAFETY NOTICE 3/12 – AMND 1

For issue by the Defence Storage and Distribution Centre, Bicester to all those on the current distribution list for Volume 2 of JSP 403. This Range Safety Notice is also available for viewing in the Joint Service Publications area of the Defence Intranet website alongside JSP 403, and available on the internet on the following website:

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The revised detail will be incorporated in JSP 403 Volume 2 Change 6 Amendment 2

RANGE SAFETY NOTICE 3/12 – AMENDMENT 1

CQM LFMT (RIFLE) PRACTICE – 3m SHOOT RESTRICTIONS

References:

- A. AOSP Volume 1
- B. JSP 403 Volume 2

Background.

1. With the introduction of this shoot set out in Reference A, Range Authorising Officers (RAO) inspectors have highlighted an issue on Gallery Ranges (GR) where the 3 m CQM shoot from the kneeling or squat position generates a Quadrant Elevation (QE) in excess of 150 mils taking direct fire rounds beyond the GR Limited Danger Area (LDA) and 2900 Range Danger Area (RDA). The limiting QE_{max} on the standard LDA GR is 70 mils.

2. Range restrictions for 3 m shoots are set out below for each type of range. The RAO inspector is to confirm the suitability for 3 m shoots on every range where these shoots are to be authorised. Where there is any doubt TAS (RE) is to be consulted to ensure the requirements of Reference B are met.

Barrack Range including German 'D' Type Range Restrictions.

3. Barrack Ranges with ricochet pits are not suitable for 3 m shoots. Inspectors are to ensure that the Line of Fire (LoF) from 3 m through the upper aiming point of the target impacts well below the top of the sand or granulate bullet catcher.

Gallery Range Restrictions - QE.

4. These restrictions apply to any standard GR type. In order to ensure the QE remains low enough for the RDA available, the following restrictions apply for any 3 m shoot in the kneeling or squat position:

- a. **LDA GR - 1.** Targets mounted on the range floor in front of the mantlet or 7 m back from the mantlet are to be limited to 1 m to top of target. The Figure 11 target height is 1140 mm. This may require special short Figure 11 CQM targets, target set into the ground or the use of Figure 22 CQM targets.

b. **LDA GR - 2.** Targets mounted between the gallery and stop butt in front of the stop butt, no QE restrictions. Targets mounted 7 m back from the stop butt are limited to the upper aiming point being at 1.4 m off the ground. On metricated ranges where the stop butt is extended in height there are no restrictions for these CQM shoots between the gallery and stop butt.

Gallery Range Restrictions - Backsplash.

5. Anti backsplash curtains are to be provided on GR where 3 m engagement practices are undertaken at targets mounted close to a stop butt or mantlet. Where the stop butt or mantlet is wholly sand or granulate and well maintained free of surface debris and the targets are mounted 7m or more from the butt or mantlet, anti backsplash measures are not essential. In all other cases targets are to be set back 20 m from the butt or mantlet providing the minimum backsplash distance to the firer for ground targets.

ETR, MMTTR, IBSR Restrictions.

5. The restrictions on these ranges will be the potential for direct fire into targetry from the standing position. QE limits on these ranges with a 2900 RDA is 150 mils. To shoot CQM kneeling or squatting practices the maximum target aiming point is to be kept below 1.2 m.

Other non standard ranges.

6. Refer to TAS(RE) for advice.

Effective Date

7. The required action is to be taken immediately on receipt of this notice.

Date of Issue: 11 Sep 12, Chairman Land Ranges Safety Sub Committee