



## DOSR/RN/2024-01 – WDA Template 40mm Case Telescoped Ammunition for AJAX

Date: 16 Apr 2024

### References:

- A. DSA 03.OME Part 3 Volume 2 (Defence Code of Practice for Ranges).
- B. DOSG/07/12/10 – Range Safety Advice for 40mm Case Telescoped Ammunition Ranges–118 dated 4 Aug 14.
- C. DOSG/07/12/01 – Range Safety Advice for 40mm Case Telescoped Ammunition on Warrior Ranges-123 dated 24 Feb 16.
- D. DOSG ST5 40mm Ricochet Trial Report dated 17 Jun 14.
- E. DOSG/20/2/1/3 Range Safety Advice, 40mm CT GPR Airburst Ranges-071 dated 5 May 2006.
- F. LM Doc Ref LM0000015166 dated 25 Nov 13.
- G. DGA Rapport essays n°: 10845, Qualification 40x255 CTA International, Balistique intérieure et traçage.

### Purpose

1. The purpose of this DRN is to circulate an early update to the regulations, requirements and guidance to reference A.

### Introduction

2. 40mm Case Telescoped Weapon System (CTWS) is the replacement main armament cannon system for both WARRIOR and the AJAX armoured fighting vehicles. This DRN provides WDA templates for the use of the 40mm system on AJAX in training.

3. Reference B was the initial DOSG Safety Advice which provided a Weapon Danger Area (WDA) based on the ballistic capability of the cannon. Reference C is the Advice issued for the CTWS on the WARRIOR Capability Sustainment Programme (WCSP).

### Minimum Engagement Distance

4. Fragments are created when the GPR-T fuze operates and debris is re-projected by the dissipation of Kinetic Energy when the APFSDS-T strikes a hard target. Both these hazards can be directed back toward the area around the firing platform. In order to ensure the safety of personnel on the Firing Point a minimum engagement distance is recommended. The minimum engagement distance for GPR-T is **350m**. For APFSDS-T, when engaging 'hard' targets, a distance of **600m** is to be applied.

### Aim

5. This DRN is aimed at all service and civilian personnel involved with the management and conduct of MOD ranges.



## Implementation

6. Effective 16 Apr 2024.

## Queries

7. Any observations or requests for further guidance on the content of this DRN should be submitted by email to [brendan.ocallaghan155@mod.gov.uk](mailto:brendan.ocallaghan155@mod.gov.uk).

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