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CHAPTER 1

SCOPE AND PURPOSE OF JSP 403 VOLUME V

INTRODUCTION

0101. Joint Services Publication (JSP) 403 is designed to provide a comprehensive handbook covering safety on Ministry of Defence land ranges. It gives guidance and instructions on which the Services and Ministry of Defence civilian organisations and agencies should base their safety regulations. JSP 403 is sponsored by the Chairman of the Defence Land Ranges Safety Committee (DLRSC).

AIM

0102. The aim of Volume V is to detail the policy and principles for the planning and conduct of demolitions, disposals, Explosive Ordnance Disposal (EOD) and battle simulation activities on Defence Land Ranges.

SCOPE

0103. JSP 403 Volume V, covers the establishment of demolition ranges and explosive ordnance disposal training areas, the clearance of ordnance from ranges and training areas, the safe use of ranges and training areas for demolitions and ordnance disposal training, and the safe use of explosives and pyrotechnics for battle simulation on ranges and training areas. The Volume consists of the following chapters:

a.	Chapter 1	Scope and purpose of JSP 403 Volume V
b.	Chapter 2	Establishment of demolition and EOD training areas.
c.	Chapter 3	Use of demolition and EOD training areas

RANGE AUTHORISATION

0104. Land Ranges may only be used for authorised activities. The procedures for authorisation, management and inspection of all land ranges are given in Reference D.

RANGE CLEARANCE

0105. From time to time, all ranges require some form of clearance of explosives. For husbandry purposes this will be a regular post-use activity and includes the disposal of blinds and collection of residue.

EXPLOSIVE ORDNANCE CLEARANCE (EOC)

0106. EOC is a separate and deliberate procedure. It is the reduction of Unexploded Ordnance (UXO) contamination of land areas, by means of a systematic search technique, to a level that is as low as reasonably practicable. It requires a separate tasking procedure. Further details can be found at Annex A, which is an example of a Land Quality Assessment - Risk Assessment.

BATTLE SIMULATION

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0107. Where Battle Simulations are required the safety distances to be applied are listed in Table 403/3/2 at Annex C to Chapter 3. Detailed procedures for producing Battle Simulations can be found in Reference N.

Annex:

A. Explosive Ordnance Clearance (EOC)

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ANNEX A TO CHAPTER 1

EXPLOSIVE ORDNANCE CLEARANCE (EOC)

1. Responsibilities. The responsibilities for EOC for the three Services and tasking details can be found in Reference I.

2. Level of Clearance. Depending on the reasons for the clearance operation there are 3 types of clearance:

   a. Visual search.

   b. Shallow search.

   c. Deep instrument search.

3. Factors. The recommendation as to the type of clearance to be carried out on any task will depend on the following factors

   a. Future use of land:

      (1) Continued military training and type of training to be conducted

      (2) Disposal for arable use

      (3) Disposal for development.

   b. Type of soil.

   c. Density of contamination.

   d. Access and type of terrain.

4. Risk Assessment. Prior to any task commencing, a reconnaissance will be carried out to determine what, if any, ordnance contamination exists. A Reconnaissance Report will be produced which will include a Land Quality Risk Assessment. It will suggest what type and level of clearance, if any is required. In the case of Army ranges, it will also dictate which type of team will complete the clearance. An example of this Risk Assessment can be found at Appendix 1.

5. Disposal of UXO. Range Administering Units (RAUs) should be aware that there is a requirement for disposals of UXO that cannot be safely transported. This may involve the RAU providing support, manpower or resources to the EOC Unit.

6. Termination of task and Certification. After each task a Clearance Certificate and a Completion Report will be completed. It will include a final Land Quality Risk Assessment. These documents will form the basis for the authority for the future use of that land as agreed prior to the task commencing.

7. Alienation. The CO RAU must not sign an EOC Clearance Certificate (see Site Closure Guide at Paragraph 120 of Annex E to Reference J) without first seeking EOC advice.

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Appendix:

1. Land Quality Assessment Risk Assessment.

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APPENDIX 1 TO ANNEX A

LAND QUALITY ASSESSMENT
RISK ASSESSMENT

UNIT	**ASSESSMENT No: EOC** Source used: JSP 364 SOP 11 Assessment Date:
ACTIVITY **Activity:** **Place:** **Date of Activity:** **Officer in Charge:**	**NUMBER OF PERSONS AT RISK** **2-5** **6-9** **10 plus**

1. HAZARD INVOLVED WITH ACTIVITY/PROCESS

A. Risk of injury from surface EO contamination.
B. Risk of injury from sub-surface EO contamination.
C. Risk of injury from deep buried EO.
D. Risk of chemical contamination.

2. EXISTING SAFETY MEASURES/CONTROLS

Hazard	Safety Measure/Control	Initials	Comment
A. Risk of injury from surface EO contamination.	History of site ascertained Area visually inspected		If contaminated, clearance task recommended
B. Risk of injury from sub-surface EO contamination.	Area subject to random electronic and intrusive Investigation		If contaminated, clearance task recommended
C. Risk of injury from deep buried EO.	History of site ascertained Archive records consulted		
D. Risk of chemical contamination.	History of site ascertained		

OFFICE/NCO IN CHARGE OF ACTIVITY MUST INITIAL FOR EACH SAFETY MEASURE/CONTROL ABOVE, NOTING THAT WHEN SAFETY MEASURES/CONTROLS ARE NOT APPLIED/AVAILABLE OR ADDITIONAL HAZARDS ARE LIKELY, PARAGRAPH 3 BELOW IS TO BE COMPLETED

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3. ADDITIONAL MEASURES

A. Residual Risks

B. Additional Safety Measures/Controls

C. Additional Controls Agreed. Yes/No. If yes, detail the action to be taken

Target date for implementation……

Signed

D. Assessment Rating

The above Land Quality Assessment Risk Assessment gives a risk rating of

X x **X = Low Risk**

E. The presence of ordnance can never be completely discounted. Although considered unlikely, there still remains the possibility of stray or buried items within this area. All future users should be made aware of the history of this site and be advised to remain alert. Should anything of an explosive nature be unearthed, all work must be suspended and the area evacuated. The police must then be informed who will arrange for attendance of EOD personnel if required.

Signed ……OC EOC Group

RISK RATING

Likelihood x Severity of Injury/harm

1. Most unlikely	1. Trivial injury/harm
2. Unlikely	2. Slight injury/harm
3. Likely	3. Serious injury/harm
4. Most likely	4. Major injury/harm or death

RISK RATING ACTION BANDS

Risk Rating Bands & Actions Required

1&2 Minimal Risk	- Maintain Control Measures
3&4 Low Risk	- Review/monitor control measures
6&8 Medium Risk	- Improve control measures
9,12 & 16	- Improve control immediately & consider stopping work

To establish **Risk Rating** multiply 'Likelihood' by the 'Severity of injury/harm