



Ministry of Defence

RIFLE .22 in. No.8 Mk 1

1005-99-961-9008 (long butt)

1005-99-961-9009 (normal butt)

1005-99-961-9010 (short butt)

EQUIPMENT SUPPORT POLICY DIRECTIVE (ESPD)

**Sponsored for use in the
UNITED KINGDOM MINISTRY OF DEFENCE
AND ARMED FORCES
by**

**SOLDIER SYSTEMS PROGRAM LETHALITY
PROJECT TEAM
KD4Q8**

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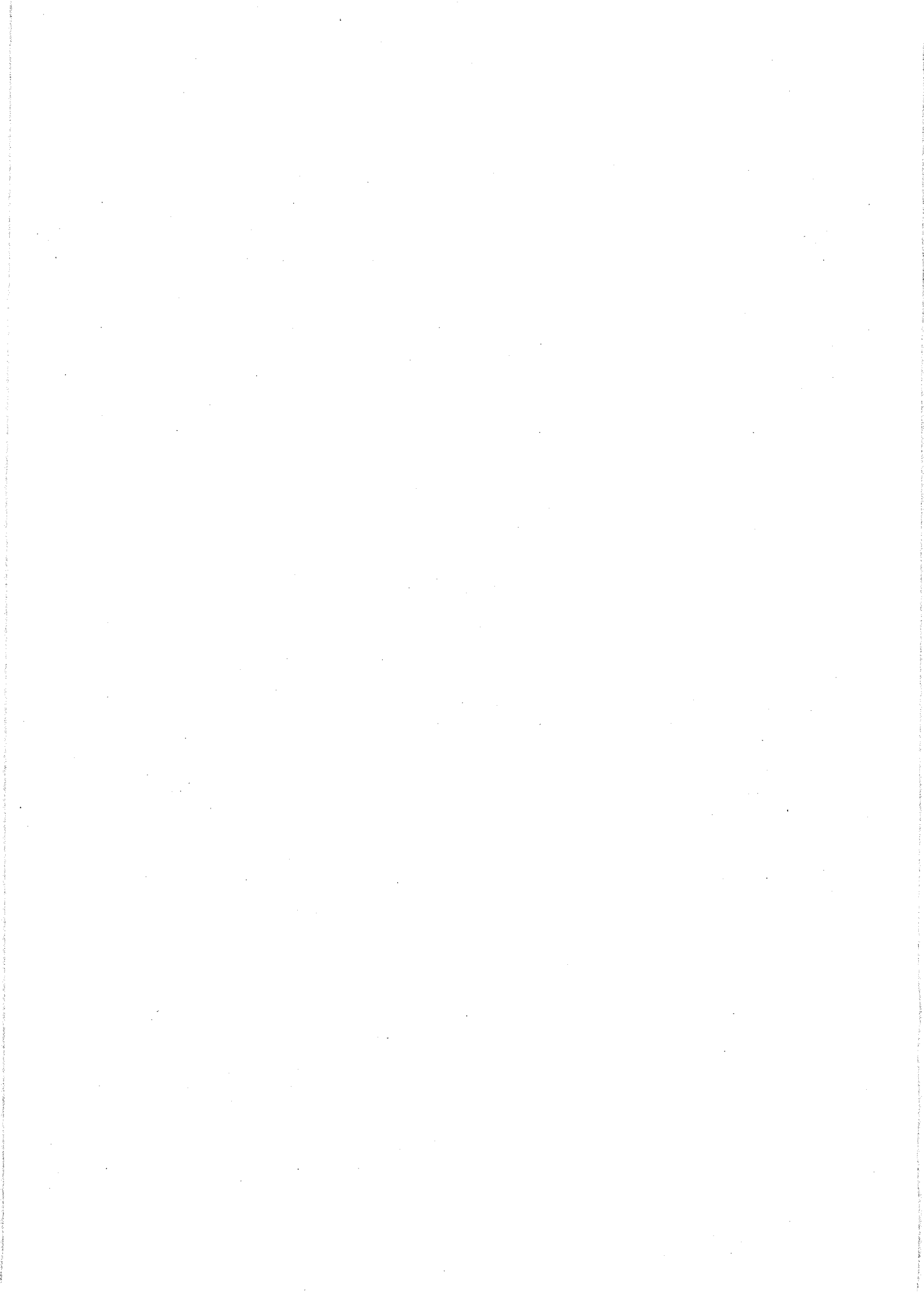


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PREFACE

Sponsor: SSP Lethality
 Project Number: -
 File Ref: -
 Publication Authority: SSP Lethality

INTRODUCTION

1 Any comments by service users on this publication should be forwarded through the channels prescribed in Army Equipment Support Publication (AESP) 0100-P-011-013. An AESP Form 10 is provided at the end of this publication; it should be photocopied and used for forwarding comments on this AESP.

2 AESPs are issued under UK MOD authority and where AESPs specify action is to be taken, the AESP will of itself be sufficient authority for such action and also for the demanding of the necessary stores, subject to the provisions of Para 3 below.

3 The subject matter of this publication may be affected by Defence Instructions and Notices (DINs), Standard Operating Procedures (SOPs) or by local regulations. When any such instruction, order or regulation contradicts any portion of this publication it is to be taken as the overriding authority.

RELATED AND ASSOCIATED PUBLICATIONS

Related publications

4 The Octad for the subject equipment consists of the publications shown below. All references are prefixed with the first eight digits of this publication. The availability of the publications can be checked by reference to the relevant Group Index (see AESP 0100-A-001-013).

Category/Sub-category			Information Level			
			1 User/Operator	2 Unit Maintenance	3 Field Maintenance	4 Base Maintenance
1	0	Purpose and Planning Information	101	101	*	*
	1	Equipment Support Policy Directive	111	111	*	*
2	0	Operating Information	201	201	*	*
	1	Aide Memoiré	*	*	*	*
	2	Training Aids	*	*	*	*
3		Technical Description	201	302	302	302
4	1	Installation Instructions	*	*	*	*
	2	Preparation for Special Environments	*	*	*	*
5	1	Failure Diagnosis	201	522	522	522
	2	Maintenance Instructions	201	522	522	522
	3	Inspection Standards	*	532	532	532
	4	Calibration Procedures	*	*	*	*
6		Maintenance Schedules	*	*	*	*
7	1	Illustrated Parts Catalogues	711	711	711	711
	2	Commercial Parts Lists	*	*	*	*
	3	Complete Equipment Schedule, Production	*	*	*	*
	4	Complete Equipment Schedule, Service Edition (Simple Equipment)	*	*	*	*
	5	Complete Equipment Schedule, Service Edition (Complex Equipment)	*	*	*	*
8	1	Modification Instructions	*	*	*	*
	2	General Instructions, Special Technical Instructions and Servicing Instructions	*	*	*	*
	3	Service Engineered Modification Instructions (RAF only)	*	*	*	*

*Category/sub-category not published.

Associated publications

5 Associated publications are as follows:

<u>Reference</u>	<u>Title</u>
[REDACTED]	[REDACTED]
AESP 1000-A-003-013	Policy and Procedures for Armourers Light Weapons and Workshops
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

WARNINGS AND CAUTIONS

6 The warnings and cautions listed in all of the AESPs shown in the OCTAD table at Para 4 above are consolidated in the list below.

WARNINGS

- (1) **RISK OF INJURY OR DEATH. NORMAL SAFETY PRECAUTIONS MUST BE OBSERVED BEFORE OPERATION, INSPECTION OR REPAIR OF THIS WEAPON. REFER TO 1005-L-203-201 CHAP 2.**
- (2) **RISK OF HEARING DAMAGE OR DEAFNESS. ALWAYS WEAR SUITABLE EAR PROTECTORS WHEN FIRING THE WEAPON.**
- (3) **RISK OF EYE INJURY OR BLINDNESS. ALWAYS WEAR SUITABLE EYE PROTECTION WHEN FIRING THE WEAPON. KEEP THE MUZZLE-AREA CLEAR WHEN FIRING.**
- (4) **PERSONAL INJURY. OPERATION THIS WEAPON MUST BE CARRIED OUT IN ACCORDANCE WITH PAM21C.**
- (5) **PERSONAL INJURY OR DEATH. SUITABLE EQUIPMENT. WHEN RIFLES ARE REQUIRED FOR COMPETITION SHOOTING, ADJUSTMENTS MUST ONLY TO BE MADE WHEN IT IS SAFE AND STABLE FOR THE INDIVIDUAL RIFLE CONCERNED.**
- (6) **PERSONAL INJURY OR DEATH. AVAILABILITY OF CORRECT TEST EQUIPMENT. ONLY ADJUST RIFLES TO THE NSRA STANDARD WHEN [REDACTED] NSRA 'DEAD-WEIGHT' TYPES OF TESTER ARE AVAILABLE FOR PULL-OFF WEIGHTS BELOW 3 LBF.**
- (7) **PERSONAL INJURY OR DEATH. CORRECT IDENTIFICATION. RIFLES REQUIRED TO BE PERMANENTLY ADJUSTED TO THE NSRA LIMIT MUST BE READILY IDENTIFIABLE AS SUCH, AND MUST BE USED FOR COMPETITION SHOOTING ONLY.**
- (8) **PERSONAL INJURY OR DEATH. CORRECT ADJUSTMENT. RIFLES REQUIRED TO BE ADJUSTED FOR SPECIFIC COMPETITIONS ONLY, ARE TO BE RE-ADJUSTED TO NORMAL SERVICE PULL-OFF LIMITS ON COMPLETION OF THE SPECIFIC COMPETITION.**
- (9) **PERSONAL INJURY OR DEATH. REPAIRS AND ADJUSTMENTS ARE ONLY TO BE CARRIED OUT BY A QUALIFIED ARMOURER**

CAUTIONS

- (1) **EQUIPMENT DAMAGE. Excessive force. Do not use excessive force when cleaning the weapon.**

(2) **EQUIPMENT DAMAGE.** Incorrect cleaning agents and care products. Do not use any metallic objects, plastics (nylon, etc.) or chemical cleaning agents to clean the weapon.

(3) **EQUIPMENT DAMAGE.** Only the approved and authorised maintenance kits and lubricants are to be used for the cleaning and preservation of this weapon system. Any deviation from this instruction may result in damage to the equipment which may result in disciplinary action being taken.

Misuse of weapons

Introduction

7 This warning outlines the British Armed Forces policy governing the use or misuse of weapons and ammunition.

Competent person

8 Only those persons authorised in AESP 1000-A-003-013 Chap 1 Para 2 are deemed competent to carry out maintenance beyond level 1, User Maintenance.

- a) REME Artificer Weapons
- b) REME Armourer
- c) RM Armourer
- d) RAF Eng Tech W and W Mech with appropriate specialist trade qualifications
- e) Formally qualified DSG staff involved in light weapons repair
- f) Formally qualified Fleet staff involved in light weapon repair
- g) Formally qualified staff employed by the Prime Contractor for Logistic Support.

WEAPONS

9 In AESPs the following definitions apply:

9.1 **Non Service Weapon (NSW).** Relates to all foreign and obsolete British light weapons whether officially issued or otherwise acquired which are not "in service" e.g. 9 mm Sten. A weapon is not officially "in service" unless it is listed in the Establishment's Equipment Table (ET).

9.2 **Light weapons.** Includes the following equipments deployed primarily for ground use.

9.2.1 **Small arms.** All personal weapons including rifles, carbines, pistols, submachine guns, shotguns anti-riot guns and associated stores.

9.2.2 **Machine guns.** All types of light, medium and heavy machine guns including their mounts and stores.

9.2.3 **Grenade launchers.** All types of grenade launcher.

9.2.4 **Anti-tank weapons.** Infantry hand held anti-tank weapons.

9.2.5 **Mortars.** All mortars and associated stores.

9.3 Firing or attempting to fire illegally modified service or other weapon is strictly prohibited.

9.4 Firing or attempting to fire locally manufactured weapons, service or foreign weapons, or use of weapons used for display, ceremonial, or trophy purpose in museums, messes, parade grounds, armouries or such like areas is prohibited except when specifically authorised through ESM SSP Lethality Delivery Team.

9.5 Some units and training establishments hold special weapons and ammunition of non-service pattern for familiarisation training, firing training and for firing on fixed mountings forward of troops undergoing training. Authority to hold all NSW can only be given by SSP Lethality Team.

AMMUNITION

10 Tampering with or use of service and commercial ammunition for other than their designed purpose is prohibited.

11 The modification, breakdown or sectioning of live ammunition for experimental, instructional or any other purpose is forbidden. This prohibition includes:

- 11.1 Unauthorised interchanges of fuses or primers or both.
- 11.2 Experiments with blank ammunition to alter the charge or introduce any other substance into the cartridge case or into the weapon with the approved cartridge.
- 11.3 Experiments involving the use of altered propelling or bursting charges with ammunition of any type.
- 11.4 The use of non-service ammunition.
- 11.5 Use of foreign ammunition other than that received through normal supply channels or supplied in accordance with NATO Standardisation Agreements.
- 11.6 Any alteration of the design of ammunition.
- 11.7 Deviation from any authorised drills for use of ammunition.
- 11.8 Rendering live ammunition inert for use as museum or instructional items.

AUTHORISED AMMUNITION NATURES

Serial (1)	NSN (2)	Gen ADAC (3)	Specific ADAC (4)	Designation (5)
1	1305-99-962-5598	10501	10501-02	ROUND .22 INCH BALL L5A1
2	1305-99-774-6324	10502	10502-02	ROUND .22 INCH BALL TENEX ULTIMATE L9A2

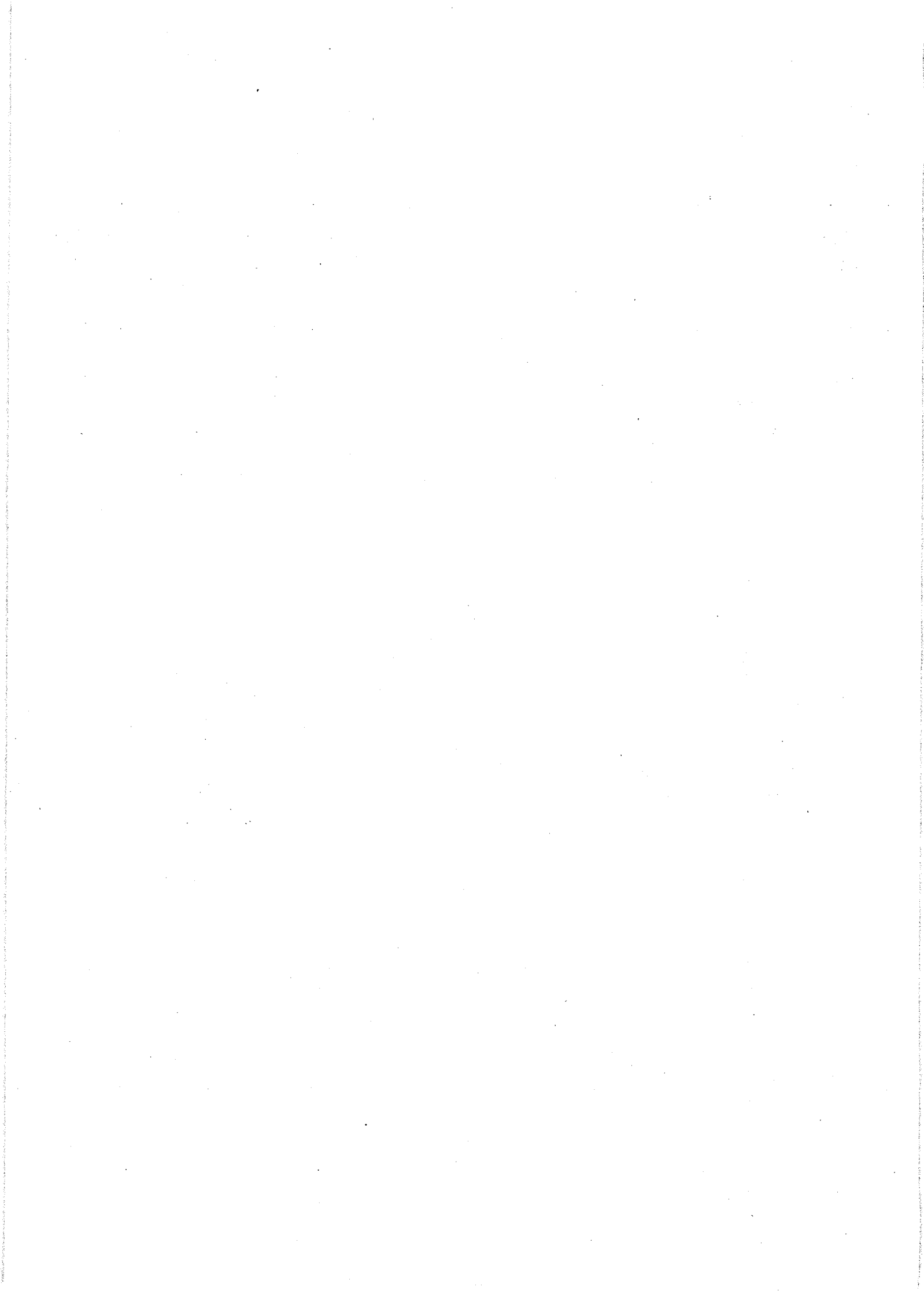
ABBREVIATIONS AND SYMBOLS

ABBREVIATIONS

Abbreviation	Definition
ACF	Army Cadet Force
ADAC	Ammunition Descriptive Asset Code
AESP	Army Equipment Support Publication
BLR	Beyond Local Repair
CCF	Combined Cadet Force
DE&S	Defence Equipment & Support
DGM	Defence General Munitions
DIN	Defence Instruction and Notice
DSEME	Defence School of Electrical & Mechanical Engineering
DSG	Defence Support Group
EFR	Equipment Failure Report
ESM	Equipment Support Manager
ESPD	Equipment Support Policy Directive
ET	Equipment Table
Fig	Figure
in.	inch
JSP	Joint Service Publications
kg	kilogramme
lb	Pound
lbf	Pound-foot
Mk	Mark
mm	millimetres
MOD	Ministry of Defence
NATO	North Atlantic Treaty Organisation
No	Number
NSN	NATO Stock Number
NSW	Non Service Weapon
OSD	Out of Service Date
oz	Ounce
RAF	Royal Air Force
REME	Corps of Royal Electrical and Mechanical Engineers
RM	Royal Marines
SOP	Standard Operating Procedure
SSP	Soldier Systems Program
STTE	Special Tools and Test Equipment
UK	United Kingdom

SYMBOLS

12 There are no symbols applicable to this equipment.



EQUIPMENT SUPPORT POLICY DIRECTIVE

INTRODUCTION

1 This Equipment Support Policy Directive (ESPD) provides the Equipment Support Policy for the Rifle 0.22 in No 8 Mk 1 in service with the UK Armed Forces and Army Cadet Force (ACF)/Combined Cadet Force (CCF).

EQUIPMENT IDENTITY

2 The equipment identities are shown in Table 1. Information regarding oils and lubricants is provided in Annex B and physical data and characteristics of the weapon system are included in Annex C to this ESPD.

TABLE 1 EQUIPMENT IDENTITIES

Serial (1)	Item Name (2)	NATO stock no (3)	Remarks (4)
1	RIFLE .22 IN NO 8 Mk1	1005-99-961-9008	long butt
2	RIFLE .22 IN NO 8 Mk1	1005-99-961-9009	normal butt
3	RIFLE .22 IN NO 8 Mk1	1005-99-961-9010	short butt

TABLE 2 REPLACED WEAPONS

Serial (1)	Item name (2)	NATO stock no (3)
1	NA	

MANAGEMENT INFORMATION

Equipment management

3 The in-service management of the Rifle 0.22 in, No 8 Mk1 is vested in the following branches:

- 3.1 Equipment Support Manager (ESM): SSP Lethality Delivery Team.
- 3.2 Equipment Sponsor: Capability Directorate Combat, Dismounted Close Combat.
- 3.3 Project Manager: SSP Lethality Delivery Team.
- 3.4 Engineering Support: SSP Lethality Delivery Team.
- 3.5 Engineering Branch: SSP Lethality Delivery Team.
- 3.6 Ammunition: Defence General Munitions (Light Munitions) (DGM (Lt Mun)).
- 3.7 Development/manufacture:
 - 3.7.1 Prime Contractor: [REDACTED]
 - 3.7.2 Design Authority: [REDACTED]
 - 3.7.3 Ammunition: DGM (Lt Mun).

Planned role

4 The Rifle 0.22 in No 8 Mk 1 was designed for use as a training rifle for the ACF and for small bore competition shooting.

Planned life

5 The Out Of Service Date (OSD) for the system has been amended to 30 September 2015 as per 2013DIN04-163.

Planned utilisation

6 In-service history supports the weapon system and currently meets the reliability requirements.

Availability

7 The period the equipment is deemed not to be available includes time spent on maintenance and repair. Planned availability is given in Table 3.

TABLE 3 PLANNED EQUIPMENT AVAILABILITY

Serial (1)	Availability (2)	Percentage (3)
1	Available now	95
2	Available in 24 hours	100

Establishments

8 Applications for establishment changes should be raised by the Unit and forwarded, through the chain of command and establishment sponsors, to the Equipment Sponsor and copied to the Equipment Support Manager (ESM) at Soldier Systems Program, Lethality Delivery Team, DE&S Abbey Wood, Bristol BS34 8JH.

Security

9 The security to be afforded to this weapon and the spares and ammunition will be that promulgated by the relevant Command and Service instructions.

MAINTENANCE**CAUTION**

EQUIPMENT DAMAGE. Only the approved and authorised maintenance kits and lubricants are to be used for the cleaning and preservation of this weapon system. Any deviation from this instruction may result in damage to the equipment which may result in disciplinary action being taken.

10 All weapons and repairable ancillaries are to be repaired as far forward within the area of operations as technically feasible, economically sensible and operationally acceptable. All relevant equipment, work, maintenance and record of rounds fired documentation must be updated and achieved for future reference.

Level 1: User maintenance

11 Level 1 maintenance is to be carried out in accordance with AESP 1005-L-203-201. User maintenance is restricted to thorough cleaning and examination of parts for wear, breakage or defects all abnormalities are to be reported to REME Armourers or equivalent tradesmen as stated in AESP 1000-A-003-013. The maintenance kit provided is sufficient for all field stripping, zeroing, and cleaning tasks.

Level 2: Unit maintenance

12 Level 2 failure diagnosis, repairs and inspections are to be carried out in accordance with AESPs 1005-L-203-512, 1005-L-203-522 and 1005-L-203-532 respectively. The Special Tools and Test Equipment (STTE) provided and the issued combined armourer's toolkit are sufficient for all Level 2 maintenance tasks.

Level 3: Field maintenance

13 Level 3 repairs are to be carried out in accordance with AESP 1005-L-203-532.

Rustproofing

14 Rustproofing is to be carried out in accordance with AESP 1000-A-003-013.

Level 4: DGS and contract maintenance

15 Level 4 repairs and inspections are to be carried out in accordance with AESPs 1005-L-203-522 and 532.

Mean active repair time

16 Mean active repair time at level 2 (Unit Repairs) is estimated at 15 mins for the most time consuming component exchange.

Non-operational maintenance

17 At present weapons are preserved for "long term storage" with a stock servicing code of 6 years. Future plans to hold weapons in a Controlled Humidity Environment may change this policy.

Depot

18 Serviced and oiled.

Units

19 Units are to maintain weapons on their charge in accordance with unit standing orders, to a minimum detailed within [REDACTED]

Equipment failure reports

20 Where during use, inspection or repair, the condition of an equipment, component or ancillary is found to be in an unsatisfactory condition due to deterioration in storage, fatigue stress, faulty design, poor workmanship or faulty manufacture, an Equipment Failure Report (EFR) (AF G8267) is to be completed in all cases. These reports are to be submitted in accordance with [REDACTED]. Where ammunition accidents or performance failures occur, refer to AESP 1000-A-003-013.

Calibration and certification of supporting items

21 The supporting items detailed in Table 4 are to be calibrated and certified every [REDACTED]

TABLE 4 SUPPORTING ITEMS

Serial (1)	DMC/NSN (2)	Description (3)
1	NUM8/5220-99-961-8926	Gauge, inspectors, headspace 0.045 in. Mk 1
2	NUM8/5220-99-961-8925	Gauge, inspectors, headspace 0.047 in. Mk 1 **
3	NUM8/5220-99-961-9052	Gauge, armourers firing pin protrusion No.2 Mk 1
4	NUM8/5220-99-961-8937	Gauge, inspectors, plug 0.215 in.

** Refer to process stated in 1005-L-203-532 as this gauge is no longer provisioned.

SUPPLY**Inventory management**

22 General guidance for inventory management can be found in [REDACTED]

Weapons, bayonets, magazines and accessories

23 Weapons sentenced Beyond Local Repair (BLR) are to be the subject of AF G1043 action. The forms are to be annotated BLR Z and the reason for the sentence stated on the form. A copy of the AF G1043 is to be attached to the weapon. Guidance can be found in AESP 0100-A-003-013 and [REDACTED]. If EFR action is required then the ESM shall be informed immediately and EFR action taken. Guidance on EFR action can be found in [REDACTED].

Special tools and test equipment

24 The Special Tools and Test Equipment (STTE) required to maintain the rifle is provided in the Equipment Table Schedule 03718F and listed in Table 5. However, as detailed in 2013DIN04-163, this STTE is now obsolete.

TABLE 5 SPECIAL TOOLS AND TEST EQUIPMENT

Serial (1)	DMC/NSN (2)	Description (3)
1	NUM8/5120-99-961-7658	Bit, Screwdriver Stock Bolt
2	NUM8/5120-99-961-8110	Spanner Wrench
3	NUM8/5220-99-961-8924	Rod Plug Gauge Mk1
4	NUM8/1005-99-961-8870	Brush cleaning Small Arms

Instructions for units

25 Where a Unit is to support the equipment, demands for the entitlement of STTE are to be submitted to the ESM at Soldier Systems Program, Lethality Delivery Team, DE&S Abbey Wood.

Calibration

26 Gauges within the STTE packs will be supplied with calibration certificates valid for 36 months. Near the end of this period, holding Units are to initiate re-calibration and certification of their gauges in accordance with extant MOD policy.

Deployment scale

27 Fielding of this equipment is complete. Queries relating to entitlement and the Total Fleet Requirement should be addressed in the first instance to Army Headquarters Equipment Directorate, Dismounted Close Combat.

PUBLICATIONS

28 The following publications have been produced to support the equipment:

28.1 Army Equipment Support Publications (AESPs) see Table 6.

28.2 Related and associated publications – see Table 7 and Table 8.

Army Equipment Support Publications

29 Army Equipment Support Publications (AESP) for the Rifle 0.22 in. No 8 Mk 1 and supporting equipments are detailed in Table 6. AESPs are only issued when demanded in accordance with AESP 0100-P-007-013.

Related and Associated publications

30 Other publications associated with the Rifle 0.22 in. No 8 Mk 1 are detailed in Table 7 and 8.

TABLE 6 ARMY EQUIPMENT SUPPORT PUBLICATIONS

Serial (1)	AESP Category (2)	Title (3)
1	1005-L-203-101	Purpose and planning information
2	1005-L-203-111	Equipment support policy directive
3	1005-L-203-201	Description
4	1005-L-203-201	Operating information
5	1005-L-203-201	Failure diagnosis
6	1005-L-203-21	Maintenance information
7	1005-L-203-302	Technical description
8	1005-L-203-522	General information
9	1005-L-203-522	Inspection and repairs - Unit
10	1005-L-203-522	Inspection, repair and sentence - Field and base
11	1005-L-203-532	General information
12	1005-L-203-532	Inspection standards
13	1005-L-203-711	Illustrated parts catalogue
14	1000-A-003-013	Policy and procedures for armourers, light weapons and workshops

TABLE 7 COMPLETE EQUIPMENT SCHEDULES

Serial (1)	Publication code (2)	Title (3)
1	Nil	-

TABLE 8 RELATED AND ASSOCIATED PUBLICATIONS

Serial (1)	Publication code (2)	Title (3)
1	[REDACTED]	[REDACTED]
2	[REDACTED]	[REDACTED] [REDACTED]
3	[REDACTED]	[REDACTED]

TRAINING**User training**

31 User training will be carried out in accordance with [REDACTED]
[REDACTED]

Maintenance training

32 Service tradesmen are trained at the specialist course level delivered by Service training establishments listed below: However there is no [REDACTED] equipment course for the Rifle 0.22 No 8 Mk1.

32.1 [REDACTED]

32.2 [REDACTED]

32.3 [REDACTED]

Training aids

33 Nil.

Scaling

34 As directed by HQ Land.

Drill rounds

35 As directed by HQ Land.

RELIABILITY**Warranty procedures and documentation**

36 The strategy underpinning the support solution is based on the high reliability and minimal preventative maintenance requirements of the Rifle 0.22 in. No 8 Mk1.

Level 4 support

37 Level 4 support may be invoked for defect investigation or warranty claims if required.

Other usage and failure reporting requirements

38 Equipment Failure Reports (EFR) AFG 8267A/B are to be raised in accordance with [REDACTED] Technical Support, Part 2 Land Equipment Support, in order to report weapons and spare parts found to be defective.

CONFIGURATION MANAGEMENT

Configuration and control procedures

39 The ESM will carry out configuration control in accordance with [REDACTED], and Configuration Management Land Modifications. The prime contractor will conduct configuration management and configuration change management in accordance with its ISO 9001: 2008 Quality Management Plan.

Changes or modifications

40 No changes or modifications will be carried out on any weapon system contained within this AESP without the authority of the ESM SSP- Lethality Delivery Team.

Post design services

41 SSP is responsible for all post design services.

Modification instructions

42 Modification instructions will be published as AESP category 811. Prior notification of these instructions may be issued as a Defence Instruction Notice (DIN).

Mid-life upgrades

43 None are envisaged.

Extended life upgrades

44 None are envisaged.

STORAGE AND MOVEMENT

Packaging

45 Weapons initially issued to MoD distribution centres will utilise commercial grade packaging equivalent to Level J. Each package will be marked compliant to Def Con 129 and will include a STANAG 4329 bar code on the packing label.

TABLE 9 SPECIAL TO CONTENTS CONTAINERS

Serial (1)	Name and NSN (2)	Qty Packed (3)	Dimensions (mm) (4)	Weight empty (kg) (5)	Weight full (kg) (6)
N/A					

Controlled environmental storage

46 Refer to Paras 17 to 19.

Non-controlled environmental storage

Armoury and guardroom

47 Users should store weapons in accordance with [REDACTED]. Where additional or replacement storage media is required, this should be procured via your principle security advisor(s) from an approved source such as the Security Cabinet Office (SEAP) catalogue.

Long term storage of weapons

48 STCC furniture specifications for this weapon are now available for long term storage in humidified and dehumidified environments.

Shelf-lived items

49 The Rifle 0.22 in No. 8 Mk1 does not have shelf-lived items.

OBSOLESCENCE AND DISPOSAL**Obsolescence procedures**

50 Obsolescence will be managed in accordance with [REDACTED]

Disposal procedures

51 Disposal will be carried out in accordance with [REDACTED]

Disposal procedures for hazardous components

52 No components are deemed hazardous.

Surplus procedure

53 Units which require disposing of surplus weapons are to request disposal instructions from DSDC Donnington, in accordance with [REDACTED]

SAFETY

54 A safety case for the weapon systems has been produced by the MOD in accordance with extant safety regulations and guidance. A Safe and Suitable for Service report has been produced for ancillaries.

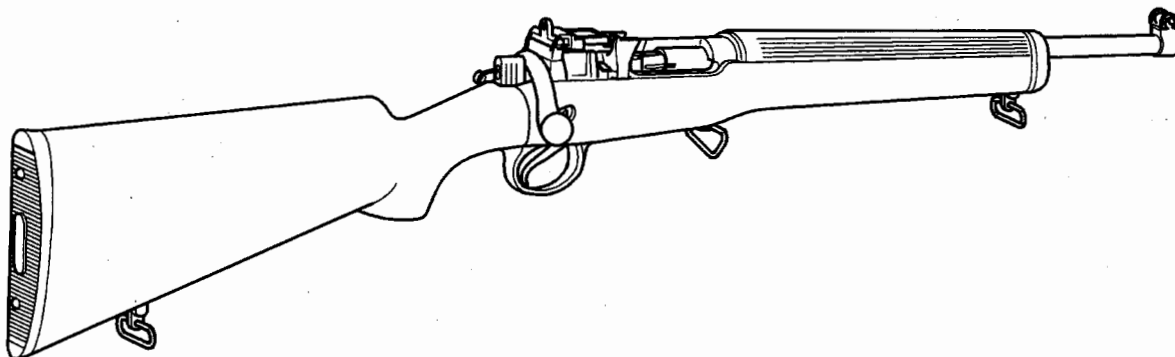
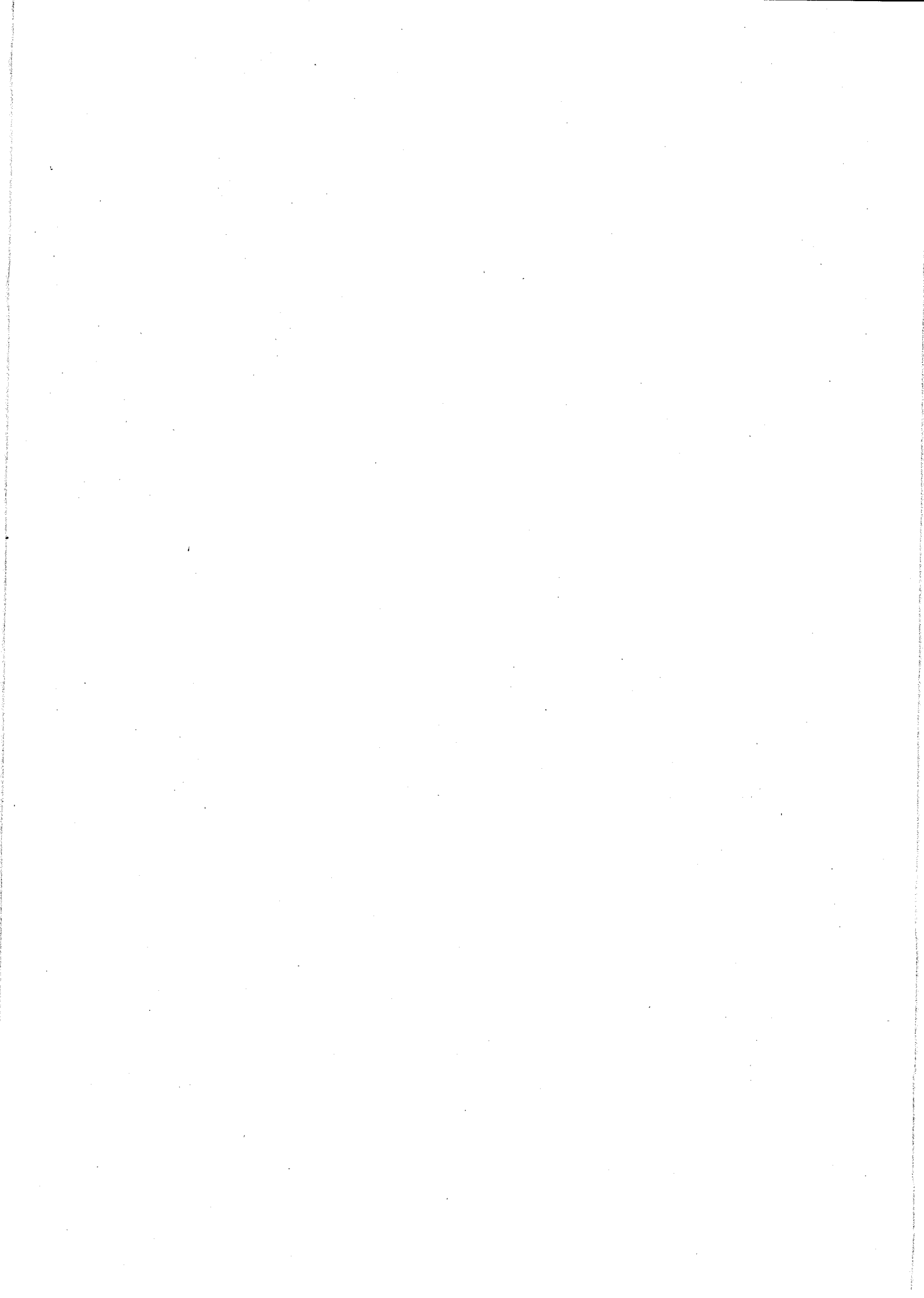


Fig 1 Rifle 0.22 in., No 8, Mk 1

ANNEX A

WEAPON ANCILLARIES AND ACCESSORIES

No illustrations available at time of publication



ANNEX B
OILS AND LUBRICANTS
CONTENTS

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1 General

Table

Page

1 Lubricants and protectives..... 1

GENERAL

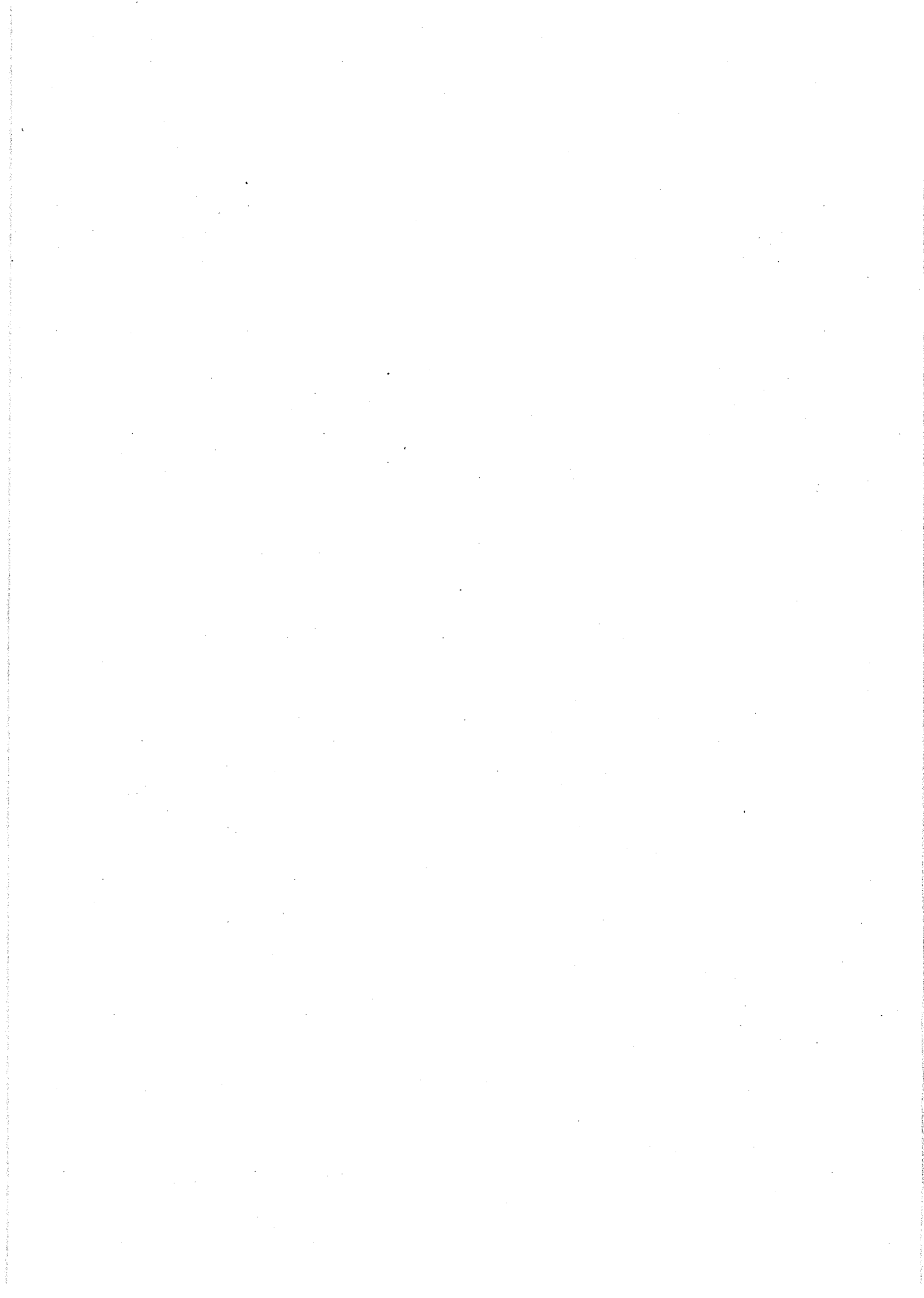
1 Table B1 gives the correct lubricant to be used with Rifle 0.22 in. No 8 Mk 1.

TABLE B1 LUBRICANTS AND PROTECTIVES

Serial (1)	Lubricant (2)	Application (3)	Remarks (4)
1	Oil: OX 24	Lubrication is to be carried out in strict accordance with AESP 1005-L-203.	Used for the lubrication and preservation of small arms and light calibre weapons up to 20mm. Compliant with Def Stan 91-102/2, JSD OX-24 and NATO 0-157 Temperature range -54°C to 50°C.
2	Grease: XG 276	Used as a preservation between metal wood contacts.	-
3	Protective: PX 11	Temporary storage.	Not to be used for long term storage.

NOTE

The lubricants at Serial 1, 2 & 3 are applicable at all temperature ranges.



ANNEX C

WEAPON CHARACTERISTICS

CONTENTS

Para

1 General

Table

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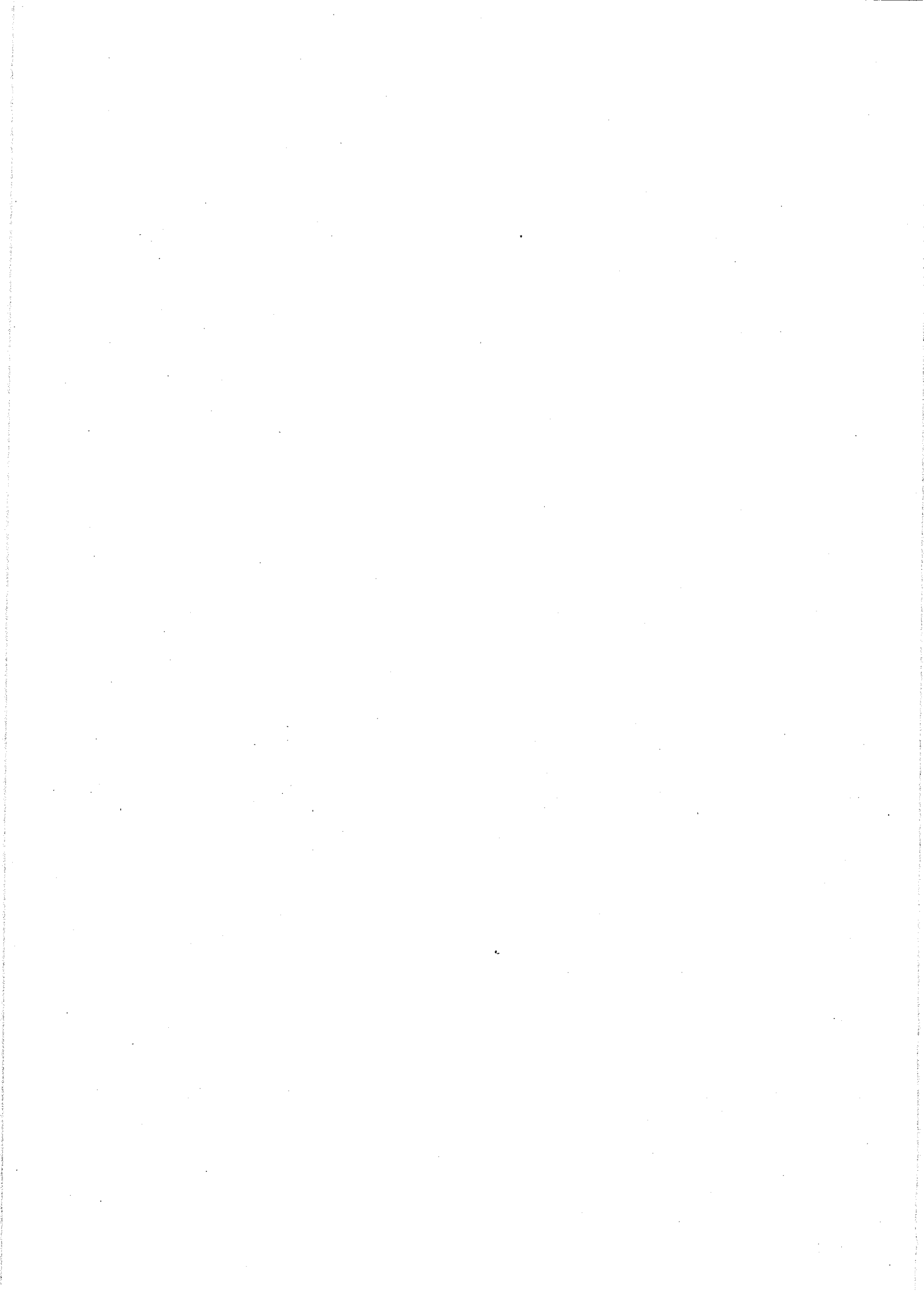
1 Technical specification..... 1

GENERAL

1. Table C1, gives the dimensions, weights and general characteristics for Rifle 0.22 in. No 8 Mk 1.

TABLE C1 TECHNICAL SPECIFICATION

Serial (1)	Detail (2)	Data (3)
Dimensions		
1	Length overall (normal butt)	41 in.
2	Length of barrel	23.36 in.
3	Weight	8 lb. 14 oz.
4	Sight radius	27.14 in.
5	Barrel dia (at muzzle)	3/4 in.
6	Barrel dia (at receiver)	7/8 in.
7	Head space	0.046 in. (± 0.001 in.)
Characteristics		
8	Calibre	0.22 in.
9	Number of grooves	6
10	Twist of rifling (1 turn in 16 in.)	Right-hand
11	Trigger pull single pull	3 lbf
12	Trigger pull double pull off	First pull 3-4 lbf Second pull 5-6.5 lbf
13	Principle of operation	Bolt action
14	Mode of fire	Single shot only
15	Trigger function	Single action
16	Locking system	Rotating bolt
17	Feed system	Hand/manual
18	Number of safeties	2
19	Ammunition	0.22 in. rim fire



ANNEX D

MARKING OF LOCAL IDENTIFICATION NUMBERS

CONTENTS

Para

- 1 Introduction
Methods of marking
- 3 Painting
- 4 Etching, engraving and stamping
- 5 Location of marking

INTRODUCTION

- 1 This Annex details the policy for Units who require marking the weapons with local identification numbers, commonly referred to as butt numbers.
- 2 Weapons must always be accounted for using their master serial number. Butt numbers are only acceptable as a local means for quick recognition of an individual's personal weapon.

METHODS OF MARKING

Painting

- 3 Butt numbers may be applied using any standard issue paint product in any colour to the rear face of the pistol grip, but must not cover or in any way adulterate any engravings on the weapon e.g. the serial number, NSN or nomenclature.

Etching, engraving and stamping

- 4 Due to the fact such marking is virtually impossible to remove, etching, engraving or stamping of butt numbers or any other number for local recognition purposes on any part of the weapon, weapon furniture or ancillary is strictly forbidden.

LOCATION OF MARKING

- 5 All locally added markings such as butt numbers must be removable, and applied as directed above. They must not be painted on:
 - 5.1 Metal components.
 - 5.2 Internal components.
 - 5.3 Working surfaces.