

STEAP-DS-TI (21 Feb 66)

2d Ind

MrHankins/ps/3242

SUBJECT: Bibliography of the M16/XM16E1 Rifle System

Department of the Army, Aberdeen Proving Ground, Aberdeen Proving Ground,  
Maryland 21005

TO: Commanding General, U.S. Army Test and Evaluation Command,  
ATTN: AMSTE-BC, Aberdeen Proving Ground, Maryland 21005

Attached as Inclosure 2 are proposed additional entries for the  
subject bibliography.

FOR THE COMMANDER:

2 Incls  
wd incl 1  
added 1 incl  
2. as

JAMES C. WHITE  
Acting Chief, Infantry and  
Aircraft Weapons Division  
Development and Proof Services

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S-9 Mar 66

AMSTE-BC (21 Feb 66) 1st Ind  
SUBJECT: Bibliography of the M16/XML6E1 Rifle System

DA, Headquarters, USA Test and Evaluation Command, Aberdeen Proving  
Ground, Maryland 21005 1 MAR 1966

TO: Commanding Officer, Aberdeen Proving Ground, ATTN: STEAP-DS,  
Aberdeen Proving Ground, Maryland 21005

1. For review as requested at Para 3, basic communication.
2. Request comment be submitted this Headquarters prior to 9 March 1966. Negative replies are desired.
3. The inclosure may be retained for your file.

FOR THE COMMANDER:

**GOODWIN MORROW**  
Tech Dir  
Inf Mat Test

1 Incl  
nc

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 Prepared By: Office of the Project Manager, Rifles  
 Hqs. USAWECOM  
 Rock Island, Illinois

BIBLIOGRAPHY OF THE M16/XML6E1 RIFLE SYSTEM

RIFLES

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM D&PS, Aberdeen	A Test of Rifle, Cal .22, ARL5 Rifles, Lightweight, Military, Cal .224 and Pertinent Ammunition	DPS/TS2-2015/57 Feb 59	U	Test Results of two Cal .224 Rifles in Standard light automatic rifle test.
USATECOM Ft Greely	Evaluation of Small Caliber High Velocity Rifles	Project No 2787 Apr 59		DA Project No 502-08-006; RDB Tech Obj. (LC-31)(U)(Artic)
USATECOM Ft Greely	Evaluation of Small Caliber High Velocity Rifles	ATDEV-3 474/3 9 June 59	C	Project 2787 (DA Project No 502-08-006; RDB Tech Obj. LC-31)
USATECOM D&PS, Aberdeen	Test of Rifle, Cal .223, ARL5	DPS-96 Nov 60	U	Test results of three rifles in light automatic rifle test and two rifles in additional accuracy tests.
USATECOM D&PS, Aberdeen	Test of Rifle, Cal 7.62mm, ARL5	DPS-101 Nov 60	U	Test results of three rifles in light automatic rifle test and two rifles in additional accuracy tests.
USATECOM D&PS, Aberdeen	Comparative Evaluation of ARL5 and M14 Rifles(U)	DPS-799 Dec 62	U	Summary of tests results and Conclusions
USATECOM D&PS, Aberdeen	Test of Rifle, Assault, 7.62mm, Model AK47, Soviet(U)	DPS-800 Dec 62	C	Results of testing one rifle
USATECOM D&PS, Aberdeen	Engineering test of Interchangeability of Rifles, Cal .223, ARL5	DPS Firing Record S-46414 Dec 62	U	Summary of test results on five rifles (Related to DPS 799)

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM Aberdeen	Letter Report on Comparative Evaluation of U. S. Army Rifle 7.62mm, M14; Armalite Rifle Caliber .223, AR15; Soviet Assault Rifle, AK47(U)	12 Dec 62	S	A summary of tests conducted by USAIB, ATB, D&PS, and BRL.
USATECOM Ft Greely	Comparative Evaluation of AR15, M14, and AK47 Rifles and M79 Grenade Launcher	ATB 33-001	C	Noted in title
USATECOM D&PS, Aberdeen	Product Improvement test of Bolt Assist Devices for Rifle Cal .223, AR15	DPS-1120 Nov 63	U	Project No 8-3-0030-06F
USATECOM D&PS, Aberdeen	Comparison test of Rifles 7.62mm, M14	DPS-1175 Feb 64	U	Compares Olin, TRW, and H&R Rifles. Project No 8F-3002-01
USATECOM D&PS, Aberdeen	Product Improvement test of Modified AR15 Rifles	DPS-1276 Apr 64	U	Project No 8-3-0030-08F.
USATECOM D&PS, Aberdeen	Final Report of Comparison test of Rifle, 5.56mm, M16	DPS-1471 Oct 64	U	M16 Production Rifles
USATECOM D&PS, Aberdeen	Final Report of Military Potential Test of Rifle, 5.56mm, AR18	DPS-1514 Dec 64	U	Project 8-4-0110-01A
USATECOM Aberdeen	Evaluation test of the Rate of Rifling Twist in Rifle, Cal .223, AR15(U)	DPS-880	C	
USATECOM Aberdeen	Low Temperature Firings			Results of low temperature firings (USAATB, Ft Greely)
USATECOM	Product Improvement Test of XM16E1 Rifles		C	Improvement tests on a side-mounted bolt assist device, a large charging handle, and modified firing pin.
USATECOM	Test Directive for Engineering and Service Test of Stoner 63 Weapons System	4 Dec 64	U	

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM	Directive for ET/ST of Stoner 63 Weapons System	15 Jan 65	U	Proj. 8-5-0120-01F, Proj. 8-5-0120-02F Proj. 8-5-0120-03F, Proj. 8-5-0120-04F
USATECOM D&PS, Aberdeen	Final Report of Comparison Test of Rifle, 5.56mm, XM16E1	DPS-1541 Jan 65	U	Noted in title
BRL Aberdeen	A Comparison of Proposed Small Arms Weapons Systems(U)	BRL-1139 Apr 58		
BRL Aberdeen	Comparative Effectiveness Evaluation of the M14 and Other Rifle Concepts(U)	BRL TN-1482 Dec 62	S	Study of Comparative effectiveness of M14 and other rifles in terms of casualties
BRL Aberdeen	Comparative Effectiveness Evaluation of the M14 and Other Rifle Concepts(U)	BRL TN-1482 Addendum May 63	S	Effectiveness of AR15 Rifle W/Muzzle Attachment in Auto Fire Role
BRL Aberdeen	An Effectiveness Evaluation of the AR15 Rifle with a Muzzle Attachment and Comparison with Other Rifle Concepts(U)	BRL-1512 Oct 63	C	Noted in title
BRL Aberdeen	D&PS Firing Record S-46424			Automatic fire dispersion test data for AR15 w/muzzle attachment
BRL Aberdeen	D&PS Firing Record S-46425			Automatic fire dispersion test data for AR15 w/muzzle detachment
BRL Aberdeen	A Kinematic Evaluation of the AR18 Rifle Cal .223	BRL MR-1635 Feb 65	U	A kinematic evaluation of two AR18 Rifles
BRL Aberdeen	On the Effectiveness of Various Small Arms Weapons in an Anti-Ambush Role(U)	BRL-1653 Jun 65	S	Noted in title
USAIB Ft Benning	Evaluation of Small High Caliber High Velocity Rifles-Armalite AR15(U)	Project 2787 May 58	C	Evaluation of AR15 and comparison to M14

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USAIB Ft Benning	Evaluation of Small High Caliber High Velocity Rifles - Armalite AR15(U)	Supplement to Project 2787 Aug 58	U	Rain test results of two AR15 Rifles
USAIB Ft Benning	Confirmatory Test of Production Model Bipod M2 for Rifle, 7.62mm, M14	Project 2839Y 18 Apr 61	U	
USAIB Ft Benning	Evaluation of Experience Data Gained in Training W/AR15 Rifle	30 Jun 63	C	Noted in title
USAIB Ft Benning	Military Potential Test of Pointing Devices for M16 Rifles	Proj. 8-3-0030-10F STEBC-SA(P-3008D) 6 Jan 64	U	Noted in title
USAIB Ft Benning	Military Potential Test of Muzzle Brake Compensators for AR15 (M16) Rifles	Proj. 8-4-0200-01F STEBC-SA(P-3064) 9 Apr 64	U	Final report - five SA Compensators
USAIB Ft Benning	Product Improvement Test, Ltr, Report for XM16E1 Rifles and Associated Items	Proj. 8-4-0200-04F STEBC-SW(P-3074) 22 May 64	U	
USAIB Ft Benning	Final Report of Military Potential Test of Rifle 5.56mm, AR18	Proj. 8-4-0110-02A (P-3073) 2 Nov 64	U	Noted in title
USAIB Ft Benning	Comparative Evaluation of AR15(Armalite) and M14 Rifles	Project 3008	U	Noted in title
USAIB Ft Benning	Engineer Design Test Letter Report for Muzzle Brake Compensator for XM16E1 Rifle	Proj. 8-5-0400-10 7 Jan 66	U	Results of test to determine effectiveness of MBC
Springfield Armory	Engineering Evaluation AR15 Rifle	P & CO-L-4526 21 Mar 63	U	Evaluation of AR15 deficiencies

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
Springfield Armory	First Memo Report on ARL5 Rifle/Ammo	19 Aug 64		Inadvertent Fire
Springfield Armory	Second Memo Report on ARL5 Rifle/Ammo	22 Sep 64	U	Chamber Configuration headspace and seat depth
Springfield Armory	Field Test Analysis of Fiberglass Reinforced Plastic Stock for Rifle, 7.62mm, M14	7 Oct 64	U	Field Comments
Springfield Armory	Third Memo Report on ARL5 Rifle/Ammo System Muzzle Device Developments Rifle XM16E1	8 Dec 64	U	
Springfield Armory	Test of Firing Pin, Charging Handle and Bolt Closure Device for Rifle 5.56mm, M16 (AR15)	9 Dec 63	U	Conclusion of test and recommendations for product improvement
Springfield Armory	Stability, Strength, and Machinability of M14 Vacuum Resin Impregnated Black Walnut Stocks	SA-TR11-2641 27 Apr 64	U	Noted in title
USAF Hill AFB	Evaluation of ARL5 Rifle Modification	TD No E-2-893Y 5 Dec 63	U	Firing Pin Restraint Devices
USAF Lackland AFB	Modification of ARL5 for Night Firing	Project 137-63 19 Jun 63	U	Test to determine modification of the rear sight
USAF Eglin AFB	Evaluation of M16 Flash Suppresson (Prelim Report)	362-65 10 Jan 66	U	A test to compare new type flash suppressor with present production version
AMC-RE	Operational Requirements for an Infantry Hand Weapon(U)	Tech Memo ORD-T-160 12 Jun 52	S	
AMC-RE	Rifle Squad Armed W/Lightweight High Velocity Rifle	CDOG, CDEC 58T9 30 May 59	U	

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
AMC-RE	Comparative Test Evaluation of the M14, ArmaLite AR15 and Soviet AK47	Dec 62		Noted in Title
AMC-RE	Inspection of Three Rifles 7.62mm, M14 and Two Cal .223 AR15	Jan 63	U	Circumferential deflection of rifles tested
HEL	Summary of Studies Conducted with the AR15 Rifle(U)	TN-2-63 Jan 63	C	Studies of burst fire accuracy and experimental muzzle device
HEL	Effects of Rifle Configuration on Quick-Fire Accuracy(U)	Mar 64	C	Firing of AR15 (M16), .30 Cal Carbine and a modified carbine
HQ XVIII Airborne Corps Ft Bragg	M16 Rifles	23 Apr 64	U	Results of test conducted by 101st Airborne Division
USA Limited War Lab Aberdeen	A Correlator Gunsight for Small Arms	Tech Rpt 64-06 Oct 64	U	
Board No 3, CONARC	Evaluation of Lightweight Rifles	May 56		Report of Project No. 2726
Advanced Research Proj. Agency OSD-ARDA	Field Test Report AR15 Rifle	20 Aug 62	C	
Seal Team One, Fleet PO San Francisco	Colt ArmaLite AR15, Malfunction of (U)	8370, Serial 105 11 Apr 63	C	Noted in title
Dep Ch of Staff for Military Operations	Rifle Evaluation Oct 62/Jan 63	DC-126-63	S	A study made under monitorship Office Deputy Chief of Staff for Military Operations.
DOD Intelligence	Modified AK Assault Rifle(U) w/2 Attach.	IR 221-1-4364 FI-7580 20 Nov 64	C	Note rifle w/1 piece milled receiver. Also mtd phosphorescent night sights.
Colt's Inc	AR15 Buttstock Assy.	27 Apr 64	U	Impact tests - Fiberite FM 4030-190

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
Colt's Inc	AR15 Compensator Evaluation	27 Apr 64	U	Noted in title
Colt's Inc	AR15 Bolt Catch Study	5 May 64	U	Study Bolt Catch failures
Colt's Inc	Wear Resistance of Various Finishes applied to AR15 Bolt Carriers	10 Nov 65	U	Noted in title
Chemical Defense Experimental Establishment Portion Down, Salisbury, Wills	Armalite Rifle (AR15) Wound Ballistics Trials	Portion Technical Paper Nr. 904 7 Oct 64	S	A study conducted by the British Army
<u>GRENADA LAUNCHER</u>				
USATECOM Ft Greely	Check Test of Launcher, Grenade M79 and Cartridges, 40mm, M406 and M407 (U)	ATB 3-82 15 May 62	C	Noted in title
USATECOM D&PS, Aberdeen	Comparison Test of 40mm M79 Grenade Launcher	DPS-1203 Apr 64	U	Proj. No. 8-3-1000-01-F
USATECOM Aberdeen	Feasibility Test of a 40mm Grenade Launcher on the AR15 Rifle	Firing Record S46435 5 Jun 63 & 13 Jan 64	U	Proj. No. 8-3-0030-05-F
USATECOM Aberdeen	Military Potential Test of 40mm Launcher Attachment for the XM16E1 Rifle	Firing Record S-46461 18 Nov 64	U	Proj. No. 8-4-0240-01-F
USATECOM Aberdeen	Final Report of Military Potential Test of 40mm Launchers for XM16E1 Rifle	8-4-0240-02C 4 Dec 64	C	Noted in title

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM Aberdeen	First Interim Report on Engineering Test of 40mm Grenade Launcher Attachment (SML48) for XML6E1 Rifle	8-4-0240-03 30 July 65	U	Noted in title
USAIB Ft Benning	Final Report of Military Potential Test of 40mm Launchers for XML6E1 Rifle	Project 3089 4 Dec 64	C	Proj. 8-4-0240-02C
USAIB Ft Benning	Partial Report of Service Test of 40mm Launcher Attachment for XML6E1 Rifle	28 June 65	U	Proj. 8-4-0240-04
Springfield Armory	Test of M79 Launcher	P&COH-3275 18 Jan 63	U	Projectile range dispersion and length of barrel
USAF Eglin AFB	Colt CGL-4 40mm Grenade Launcher	Proj. No. 116-65 28 May 65	U	Suitability test for AF use
USAF Eglin AFB	Supplemental Test #1, Colt CGL-4 40mm Grenade Launcher	Proj. No. 116-65 2 July 65	U	Suitability test for AF use
USAF Eglin AFB	Supplemental Test #2, Colt CGL-4 40mm Grenade Launcher	Proj. No. 116-65 9 Aug 65	U	Results of test to determine strength of material used in launcher manufacture
USAF Eglin AFB	ML48 40mm Grenade Launcher	Proj. No. 116-65 Supplement #3 Oct 65	C	Suitability test for AF use

AMMUNITION

USATECOM Ft Greely	Continuation of Evaluation of Bullet Stability in AR15	ATB-33-011(1963) 30 Jan 63	U	Round to round dispersions Arctic test firings
USATECOM Ft Greely	Continuation of Evaluation of Bullet Stability in AR15 (U)	ATB-33-011 2 Feb-14 Mar 63	C	Round to round dispersions Arctic test findings

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM Ft Greely	Final Report - Continuation of Evaluation of Bullet Stability in ARL5 Rifle (U)	ATB-33-011 25 Mar 63	C	Round to round dispersions Arctic test findings
USATECOM	Final Report of Service Test of Cartridge, Tracer, 5.56mm, XM196	3 Sep 64	U	Proj. No. 8-4-0210-03C
USATECOM STEAP-DS-TI	First Letter Report on Engineering Test of Cartridge, 5.56mm, Tracer, XM196	DPS-1499L 26 Oct 64	U	Proj. No. 8-4-0210-02-C
USATECOM D&PS, Aberdeen	Final Report of ET of Cartridge, 7.62mm Blank, NATO, "Short-Case" Design	DPS-1521 Dec 64	U	Safety and climatic condition phase Proj. No. 8-3-0001-01-C
USATECOM D&PS, Aberdeen	Final Report of Engineering Test of Cartridge, 5.56mm, Tracer, XM196	DPS 1687 June 65	U	Noted in title
USATECOM Ft Greely	Final Report of Service Test of Cartridge Tracer, 5.56mm, XM196 under Arctic conditions	8-4-0210-04-C 23 Aug 65	U	Noted in title
BRL	Yaw Test of Bullets Fired in Rifle, Cal .223, ARL5, With Two Rates of Twist of Rifling	BRL-S-46428	U	Noted in title
USAIB Ft Benning	Final Report of ST of Cartridge Tracer 5.56mm, XM196	Proj. No. 8-4-210-03C (P-3068) 3 Sep 64		
USAIB Ft Benning	Service Test of Cartridges, 7.62mm Blank, NATO, Short Case	Proj. No. 8-3-0001-02C (P-3036) 27 Oct 64		Final report
USAIB Ft Benning	Final Report of Service Test of Tactical Packaging for 5.56mm Ammunition	Proj. No. 8-4-0210-06 (3105)	U	Noted in title

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
Frankford Arsenal	First Memo Report on AR15 Rifle/ Ammo System	20 May 63	U	Investigation of firing, pin energy and primer sensitivity. Primer sensitivity and its relation to premature firing
Frankford Arsenal	Second Memo Report on AR15 Rifle/ Ammo System	17 June 63	U	Investigation of test weapon chamber configurations
Frankford Arsenal	Third Memo Report on AR15 Rifle/ Ammo System	18 June 63	U	Investigations of bullet configurations
Frankford Arsenal	Fourth Memo Report on AR15 Rifle/ Ammo System	19 June 63	U	Investigations of gas-port pressures in Cal .223 ammo
Frankford Arsenal	Fifth Memo Report on AR15 Rifle/ Ammo System	16 Sep 63	U	Investigations of plate-penetration characteristics of .223 (5.56mm) ball bullets
Frankford Arsenal	Sixth Memo Report on AR15 Rifle/ Ammo System		U	Accuracy tests of selected lots of 5.56mm ball cartridges
Frankford Arsenal	Seventh Memo Report on AR15 Rifle/ Ammo System		U	Primer sensitivity of selected lots of 5.56mm ball cartridges
Frankford Arsenal	Eighth Memo Report on AR15 Rifle/ Ammo System		U	Investigations of AR15 weapon malfunctions when using certain lots of 5.56mm ball cartridges
Frankford Arsenal	Ninth Memo Report on AR15 Rifle/ Ammo System	19 May 64	U	Comparison of military and commercial drawings of 5.56mm test weapon chambers.
Frankford Arsenal	Tenth Memo Report on AR15 Rifle/ Ammo System	15 May 64	U	Investigations of alternate propellants for use in 5.56mm ball ammunition
Frankford Arsenal	Eleventh Memo Report on AR15 Rifle/ Ammo System	12 June 64	U	Investigations of port-pressure limits

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
Frankford Arsenal	Thirteenth Memo Report on AR14 Rifle/ Ammo System		U	Investigations of current port-pressure acceptance criteria
Frankford Arsenal	5.56 Ammunition Tests	9 Oct 63	U	Velocity, pressure and action time tests
Frankford Arsenal	Cartridge, 5.6mm Cal .22 Ball, Soviet, MCN-22830 (U)	FSTC-381-3066 Oct 64	C	Evaluation of 5.6mm Soviet Ball Cartridge--visual, weights, chemical and spectro Analysis. Velocity and load density. Two drawings of case and bullet.
Springfield Armory	Exploratory Development Program Caseless Ammunition	SAP No. 80 5 Nov 64	U	
Springfield Armory	Test of U. S. Weapons w/7.62mm Ammunition of Foreign Manufacture	SA-TR20-2140 2 Apr 65		Seventeen lots--NATO ammo tested in M14, M60 and M73
USAF Hill AFB	Cal .223 Ammunition for Colt's AR15 Rifle	004-TR-62-8 Apr 62		Tests and results of Remington's military type round which was compatible with Colt's AR15
USAF Hill AFB	Military Spec., Cartridge, 5.64mm Ball MLU-26/P	MIL-C-9963A(USAF) 17 Apr 63		Cartridge 5.64mm, ball intended for firing in AR15 rifles
USAF Hill AFB	Surveillance test of cartridge	OOY-TR-63-17 May 63		Investigation of .223 Caliber ammo to determine if ammo is safe to use without restrictions
USAF Hill AFB	Test Findings of Port Pressure in AR15 Rifle	MIP 0062-3266 7 Aug 63	U	Noted in title
USAF Hill AFB	Test of Compatibility of Standard M1 Rifle Grenade and M16 Rifle	OOY-TR-64-205 Dec 64	C	Noted in title

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USAF Hill AFB	Inspection and Testing of 5.64mm Ammunition	11A-1-10-41		Proof manual for 5.64mm ammo with pro- cedures used in accept. tests
USAF Eglin AFB	Exterior Ballistics of ARL5 Rifle	ASD-TDR-63-2 Jan 63	U	Discussions of bullet stability, lethality, penetration and deflection
USAF Eglin AFB	Report of Test	May 63		Results of tests performed to investigate problems associated with reduced loads of powder in Cal .223 Ammo
Edgewood Arsenal	A Wound Ballistic Assessment of the M14, ARL5 and AK47 Rifles (U)	Nov 62		Noted in title
Edgewood Arsenal	Wound Ballistics Tests with Tipped ARL5 Bullet (U)	Dec 62		Noted in title
Edgewood Arsenal	Wound Ballistics Assessment of the M14, ARL5 and AK47 Rifles (U) w/ Supplement the ARL5 Rifle w/1 in 12 inch Twist	Jan 63		Noted in title
Picatinny Arsenal	Evaluation of 40mm Grenade Launcher Capability of M14 and ARL5 Rifles (U)	Tech Memo 1181 11 Apr 63	S	Noted in title
Propulsion Develop.Dept China Lake, NOTS	Project Agile Program--Qtrly Progress Report 1 Dec 62/28 Feb 63 (U)	313-NOTS-TP-3189	C	Article on grenade for ARL5
Colt's Inc	Effect of Ammunition Variables on Accept- ance Testing of XML6E1 Rifles	First Partial Rpt 8 Nov 65	U	Noted in title
Colt's Inc	Effect of Ammunition Variables on Accept- ance Testing of XML6E1 Rifles	Second Partial Rpt 19 Jan 66	U	Noted in title

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SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
		<u>RIFLES</u>		
USATECOM D&PS, Aberdeen	Military Potential Test of Stoner 63 Weapons System	DPS-1289 March 64	U	Test of one each of the six weapon configurations comprising the Stoner 63 weapon system.
USATECOM D&PS, Aberdeen	Engineer Design Test of Muzzle Brake Compensators, Rifle, XM16	DPS Firing Record S-46509 Jan 66	U	Muzzle flash tests of special device.
USATECOM D&PS, Aberdeen	Military Potential Test of AR18 Rifle, Sound Intensity Phase	DPS Firing Record S-46490 May 65	U	Supplement to final report of MP test of AR18 rifle, DPS 1514.
USATECOM D&PS, Aberdeen	Engineering Test of Small Arms Weapons Systems (SAWS)	DPS-1851 Dec 65	C	Partial report of the engineering test at APG of a variety of standard and commercial small arms weapons systems (SAWS) covering the period 1 July to 15 November 1965.

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
		<u>AMMUNITION</u>		
USATECOM D&PS, Aberdeen	Design and Fabricate a High-Velocity, Caliber .22 Cartridge, Modify a Standard M2 Carbine to Fire the Cartridge and Evaluate the Weapon- Ammunition Combination	DPS/TS1-2/25 Sept 53	C	Comparative evaluation of performance of modified M2 carbine and experimental high-velocity caliber .22 ammunition with that of standard caliber .30, M2 carbine and ammunition.
USATECOM D&PS, Aberdeen	Preliminary Investigation of a Caliber .22 High Velocity Cartridge for Lightweight Rifles.	DPS/TS1-2/30 April 54	C	Accuracy, ballistic-pendulum, functioning and penetration data. Includes bullet-design data.
USATECOM D&PS, Aberdeen	An Investigation of Experimental Caliber .22 Carbine Ammunition and Modified M2 Carbines.	DPS/TS1-2/33 May 55	C	Evaluate interior-, exterior-, and terminal-ballistic performance of the cartridge and assemble and test modified M2 carbines adapted to the experimental cartridge.
USATECOM D&PS, Aberdeen	An Investigation of an Experimental Caliber .22 High-Velocity Bullet for Rifles	DPS/TS1-2/35 Dec 55	C	Interior-, exterior-, and terminal-ballistic properties of an experimental caliber .22 rifle bullet designed by Development and Proof Services, Aberdeen Proving Ground.
USATECOM D&PS, Aberdeen	Engineering Test of Cartridge, 40-mm, HE, XM397E1 and XM398E1	DPS-1212 Dec 63	SSH	Noted in title
USATECOM D&PS, Aberdeen	Final Report of Engineering Test of Cartridge, 40-mm, Smokeless, Flashless, XM463	DPS-1803 Oct 65	C	Noted in title (Project No. 8-4-1060-02).

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM D&PS, Aberdeen	Engineering Test of Cartridge, XM433E1 and XM434E1, 40-mm, Dual Purpose	D&PS Firing Record S-46503     Mar 64	C	Noted in title (Project No. 8-3-1040-04).
USATECOM D&PS, Aberdeen	Engineer Design Test of Cartridge 40-mm, HE, XM463 (Smokeless - Flashless)	DPS Firing Record S-46479     Jan 65	C	Velocity, range accuracy, and ballistic-pendulum data.
USATECOM D&PS, Aberdeen	Engineer Design Test of Alternate Propellants for Use in Cartridge, 5.56-mm, Ball, M193	DPS Firing Record S-46440     April 64	U	Erosion, smoke, flash, and fouling data. Fired from Colt AR15, model 02 rifle.

GRENADE LAUNCHER

SOURCE	TITLE	NUMBER AND DATE	CLASS	SUMMARY
USATECOM D&PS, Aberdeen	Final Report of Comparison Test of Launcher, M79, 40-mm	DPS-1580 Feb 65	U	Noted in title (Project No. 8-3-1000-09F).
USATECOM D&PS, Aberdeen	Final Report of Comparison Test of Launcher, M79, 40-mm	DPS-1779 Sept 65	U	Noted in title (Project No. 8-3-1000-10).
USATECOM D&PS, Aberdeen	Final Report of Engineer Design Test of SPIW (D&PS Phase)	DPS-1423 Sept 64	C	Comparative evaluation of four competing SPIW concepts
USATECOM D&PS, Aberdeen	Engineering Test of 40-mm, XM148 Grenade Launcher Attachment for the XM16E1 Rifle	DPS-1888 Feb 66	C	Tests to determine compatability of the XM148 launcher attachment and the XM16E1 rifle.
USATECOM D&PS	Feasibility Test of a 40-mm Grenade Launcher on the AR-15 Rifle	DPS Firing Record S-46435 Jan 64	U	Noted in title