	Date Submitted: 19 May, 1999	Tracking #: TLW 9142E	
	Project #: 241095	Engineer: SNEDEKER, J.R.	
	st Objective: OMPLETE BASIC MEASUREMENTS ON M/710 EET SAMPLE RIFLES BMITTED FOR EVALUATION ON 18 MAY '99.		
	Test Description: 1. Headspace	83	
	 Trigger Pull Force Firing Pin Indent 		
	Resource Usage: Manpower Requirements - 1 technician Facility Requirements	Test Results Required: Formal Report: REQUESTED Completion Date: 28 May '99	
i de la companya de l	Required Materials/Parts/Equipment (include quantities): Headspace gauges for 30-06 caliber, Copper crusher holder, copper crushers, Dial indicator w/ "needle" point Force gauge.		
Test Parts Availability Date: 18 May '99			
	Start Date: Completion Date: Report Date:	Test Assigned To:	
	NIDEVED ASSIGNED SCHEDULED		

Date Submitted: 19 May, 1999	Tracking #: TLW 9142F		
Project #: 241095	Engineer: SNEDEKER, J.R.		
Test Objective: COMPLETE STANDARD PROOF TEST OF SUBMITTED FOR EVALUATION ON 18			
Test Description:			
sample rifles. 2. Use lanyard and use extreme caution, comproofing firearms. 3. After firing proof round examine rifle for area, on the bolt lugs, bolt face, extractor, barrel/receiver area for any indication of of an unusual nature. Check the firing pin set-back due to high pressure. 4. For each of the rifles that pass this proof of the barrel at the chamber location. Resource Usage:	any signs of damage especially in the chamber or ejector. Examine locking lug area in the cracking or swelling of material. Note anything as for damage to the tip or for any indication of est, imprint with proof stamp on the right side Test Results Required:		
Manpower Requirements	Formal Report: Data Only: X REQUESTED Completion Date:		
Facility Requirements -	28 May '99		
Required Materials/Parts/Equipment (include quantities):			
Graduated Head-space gauges for .30-06 caliber, Proof Stamp Test Parts Availability Date: 18 May '99			
			Start Date: Completion Date: Report Date:
INDEVED ASSIGNED SCHEDULED			

Date Submitted: 19 May, 1999	Tracking #: TLW 9142G	
Project #: 241095	Engineer: SNEDEKER, J.R.	
Test Objective:		
COMPLETE 100 STANDARD PROOF TEST ON EACH OF THE M/710 EET		
SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99.		
Test Description:		
1. Measure and record head-space on each sample rifle before the start of the 100 round proof test and then before and after <u>each</u> of the first ten (10), .30-06 Cal. Proof round is fired in each of the sample rifles. Examine each of the sample rifles after each of the first 10 proof rounds for damage per standard proof round procedure. *(see note below)		
2. Measure and record head-space on each sample rifle before and after each tenth (10 th) proof round after the first ten rounds are completed, i.e., at round 20, 30, 40, & 50 rounds. Examine each of the sample rifles after each of the 10 proof rounds for damage per 33 standard proof round procedure. *(see note below)		
3. Finally, measure and record head-space on each sample rifle before and after the completion of the one hundredth (100 th) round. Examine each of the sample rifles after completion of the 100 th proof round for damage per standard proof round procedure. *(see note below)		
4. Use a lanyard for all proof rounds and use extreme caution, comply with all safety procedures used when proofing firearms.		
Note: Procedure for examination after firing a proof round. Examina rifle for any signs of damage especially in the chamber area, on the bolt lugs, bolt face, extractor, or ejector. Examine locking lug area in the barrel/receiver area for any		
the firing pipe for damage to the tip or for any	indication of cracking or swelling of material. Note anything of an unusual nature. Check the firing pines for damage to the tip or for any indication of set-back due to high pressure.	
Look for any indication of swelling in the char	nber area oj ine barrei.	
Resource Usage:	Test Results Required:	
Manpower Requirements -	Formal Report: Data Only: X	
1 technician	REQUESTED Completion Date:	
Facility Requirements -	28 May '99	
Required Materials/Parts/Equipment (include quantities):		
Graduated Head-space gauges for .30-06 caliber,		
800 proof rounds		
Test Parts Availability Date: 18 May '99		
Start Date:	Test Assigned To:	
Completion Date: Report Date:		
□ INDEXED □ ASSIGNED □ SCHEDULED		

Date Submitted: 19 May, 1999	Tracking #: TLW 9142H			
Project #: 241095	Engineer: SNEDEKER, J.R.			
Test Objective:				
COMPLETE 500 ROUND, STANDARD AMMUNITION, TEST ON EACH OF THE				
M/710 EET SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99.				
Test Description:				
1. Perform standard procedure, Function & Casualty Testing on all submitted				
samples of M/710 EET rifles. Examine each rifle after each 100 rounds using				
procedure listed below.				
2. For each round fired note whether any malfunctions occurred, record the round				
level of occurrence, the round level out of the box, the type of malfunction.				
3. If available, a variety of .30-06 Remington ammunition of different bullet types				
and weights should be used to evaluate the potential for feeding problems 83				
4. As a minimum, each data sheet should list the tester's initials, the date, the				
beginning and ending round level	covered by that data sheet, the "TLW"			
	firearm and the sample number and the			
ammunition type used when the malfunction occurred.				
Use the "belly-protector with the lid closed	61.0 ANNEXY = 19.3 177			
trigger" lanyard for all rounds. Use extreme cau				
use of leather gloves is recommended due to the				
Note: Procedure for examination after firing s	each 100 rounds of standard .30-06 caliber			
ammunition.				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pecially in the chamber area, on the bolt lugs,			
bolt face, extractor, or ejector. Examine lockin				
indication of cracking or swelling of material.				
other areas of the firearm such as the magazine				
any indications of unusual wear, cracking or o				
round level at time of observation and descript	on of damage as well as location.			
Resource Usage:	Test Results Required:			
Manpower Requirements -	Formal Report: Data Only: X			
1 technician	REQUESTED Completion Date:			
Facility Requirements -	28 May '99			
Required Materials/Parts/Equipment (include quantities):				
4000 rounds of standard .30-06 ammunition, variety of bullet types and weights should be				
used.				
Test Parts Availability Date: 18 May '99				
Start Date:	Test Assigned To:			
Completion Date:				
Report Date:				
INDEXED ASSIGNED SCHEDULED				

ET34135

Project #: 241095 Engineer: SNEDEKER, J.R. Test Objective: COMPLETE STANDARD S.A.A.M.I. DROP, JAR-OFF AND ROTATION TESTING ON EACH OF THE M/710 EET SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99. Test Description: 1. Perform standard procedure, S.A.A.M.I. Drop, Jar-Off And Rotation Testing on all submitted samples of M/710 EET rifles. Examine each rifle after each drop using standard S.A.A.M.I. procedures. Load chamber and close bolt over a fresh primed case for each drop, jar-off or rotation orientation. "Fire" the primed case after each drop to make sure the round did not fire when dropped. 2. Use the standard forms for S.A.A.M.I. Drop, Jar-Off And Rotation Testing procedure for recording the results. In addition to the test results and as a minimum, each data sheet should list the tester's initials, the date, the beginning and ending round level covered by that data sheets. Also, the "TLW" number, the serial number of the firearm and the sample number and the ammunition type used when the malfunction occurred should be recorded on each data sheet. 3. Due to the construction of the ET samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineer stechnician and testing manager to determine the proper methods to be used. Resource Usage: Resource Usage: Mappower Requirements - Lafechnician Facility Requiremen					
Test Objective: COMPLETE STANDARD S.A.A.M.I. DROP, JAR-OFF AND ROTATION TESTING ON EACH OF THE M/710 EET SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99. Test Description: 1. Perform standard procedure, S.A.A.M.I. Drop, Jar-Off And Rotation Testing on all submitted samples of M/710 EET rifles. Examine each rifle after each drop using standard S.A.A.M.I. procedures. Load chamber and close bolt over a fresh primed case for each drop, jar-off or rotation orientation. "Fire" the primed case after each drop to make sure the round did not fire when dropped. 2. Use the standard forms for S.A.A.M.I. Drop, Jar-Off And Rotation Testing procedure for recording the results. In addition to the test results, and as a minimum, each data sheet should list the lester's initials, the date, the beginning and ending round level covered by that data sheet. Also, the "TLW" number, the serial number of the firearm and the sample number and the ammunition type used when the malkingtion occurred should be recorded on each data sheet. 3. Due to the construction of the EET samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineer, technician and testing manager to determine the proper methods to be used Resource Usage: Mapower Requirements - Lytechnician Facility Requirements - Lytechnician Formal Report: Data Only: X REQUESTED Completion Date: Required Materials/Parts/Equipment (include quantities): Approximately 120 rounds of standard .30-06 ammunition, with bullets and powder removed to make primed cases. So durameter rubber mat. Test Parts Availability Date: 18 May '99 Start Date: Completion Date: Report Date:		Date Submitted: 19 May, 1999	Tracking #: TLW 9142I		
COMPLETE STANDARD S.A.A.M.I. DROP, JAR-OFF AND ROTATION TESTING ON EACH OF THE M/710 EET SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99. Test Description: 1. Perform standard procedure, S.A.A.M.I. Drop, Jar-Off And Rotation Testing on all submitted samples of M/710 EET rifles. Examine each rifle after each drop using standard S.A.A.M.I. procedures. Load chamber and close bolt over a fresh primed case for each drop, jar-off or rotation orientation. "Fire" the primed case after each drop to make sure the round did not fire when dropped. 2. Use the standard forms for S.A.A.M.I. Drop, Jar-Off And Rotation Testing procedure for recording the results. In addition to the test results, and as a minimum, each data sheet should list the tester's initials, the date, the beginning and ending round level covered by that data sheet. Also, the "TLW" number, the serial number of the firearm and the sample number and the ammunition type used when the malfunction occurred should be recorded on each data sheet. 3. Due to the construction of the EET samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineen rechnician and testing manager to determine the proper methods to be used. Resource Usage: Resource Usag		Project #: 241095			
ON EACH OF THE M/710 EET SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99. Test Description: 1. Perform standard procedure, S.A.A.M.I. Drop, Jar-Off And Rotation Testing on all submitted samples of M/710 EET rifles. Examine each rifle after each drop using standard S.A.A.M.I. procedures. Load chamber and close bolt over a fresh primed case for each drop, jar-off or rotation orientation. "Fire" the primed case after each drop to make sure the round did not fire when dropped. 2. Use the standard forms for S.A.A.M.I. Drop, Jar-Off And Rotation Testing procedure for recording the results. In addition to the test results, and as a minimum, each data sheet should list the tester's initials, the date, the beginning and ending round level covered by that data sheet. Also, the "TLW" number, the serial number of the firearm and the sample number and the ammunition type used when the malfunction occurred should be recorded on each data sheet. 3. Due to the construction of the EET samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineer setchnician and testing manager to determine the proper methods to be used. Resource Usage: Resource Usage: Resource Usage: Required Materials/Parts/Equipment (include quantities): Approximately 120 rounds of standard .30-06 ammunition, with bullets and powder removed to make primed cases. 85 durameter rubber mat. Test Parts Availability Date: 18 May '99 Start Date: Completion Date: Report Date:	į	Test Objective:			
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2. Use the standard forms for S.A.A.M.I. Drop, Jar-Off And Retation Testing procedure for recording the results. In addition to the test results, and as a minimum, each data sheet should list the taster's initials, the date, the beginning and ending round level covered by that data sheet. Also, the "TLW" number, the serial number of the firearm and the sample number and the ammunition type used when the malfunction occurred should be recorded on each data sheet. 3. Due to the construction of the EET samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineer, technician and testing manager to determine the proper methods to be used. Resource Usage: Matpower Requirements - I sechnician Facility Requirements - Required Materials/Parts/Equipment (include quantities): Approximately 120 rounds of standard .30-06 ammunition, with bullets and powder removed to make primed cases. 85 durameter rubber mat. Test Parts Availability Date: 18 May '99 Start Date: Completion Date: Report Date: Test Assigned To:		- Table 1 - T			
procedure for recording the results. In addition to the test results, and as a minimum, each data sheet should list the tester's initials, the date, the beginning and ending round level covered by that data sheet. Also, the "TLW" number, the serial number of the firearm and the sample number and the ammunition type used when the malfunction occurred should be recorded on each data sheet. 3. Due to the construction of the EET samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineer, technician and testing manager to determine the proper methods to be used. Resource Usage: Manpower Requirements - Itechnician Facility Requirements - Required Materials/Parts/Equipment (include quantities): Approximately 120 rounds of standard .30-06 ammunition, with bullets and powder removed to make primed cases. 85 durameter rubber mat. Test Parts Availability Date: 18 May '99 Start Date: Completion Date: Report Date: Test Assigned To:		■ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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the serial number of the firearm and the sample number and the ammunition type used when the malfunction occurred should be recorded on each data sheet. 3. Due to the construction of the ETI samples, the drop procedure may require modification. Before proceeding with this test, discussion should occur between the engineer, technician and testing manager to determine the proper methods to be used. Resource Usage: Manpower Requirements - Iteechnician Facility Requirements - Required Materials/Parts/Equipment (include quantities): Approximately 120 rounds of standard .30-06 ammunition, with bullets and powder removed to make primed cases. 85 durameter rubber mat. Test Parts Availability Date: 18 May '99 Start Date: Completion Date: Report Date: Report Date:		1 12 12 12 12 12 12 12 12 12 12 12 12 12			
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REQUESTED Completion Date: 28 May '99 Required Materials/Parts/Equipment (include quantities): Approximately 120 rounds of standard .30-06 ammunition, with bullets and powder removed to make primed cases. 85 durameter rubber mat. Test Parts Availability Date: 18 May '99 Start Date: Completion Date: Report Date:		"Market 1.000"	_		
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INDEXED ASSIGNED SCHEDULED	İ	Keport Date:			

ET34136

Report Date:

Date Submitted: 19 May, 1999	Tracking #: TLW 9142J	
Project #: 241095	Engineer: SNEDEKER, J.R.	
Test Objective:		
COMPLETE ULTIMATE STRENGTH / INTENTIONAL ABUSE TESTING ON		
EACH OF 3 OF THE M/710 EET SAMPLE RIFLES SUBMITTED FOR		
EVALUATION ON 18 MAY '99.		
Test Description:		
1. Perform standard procedure, ultim	nate strength / intentional abuse testing on 3	
rifles selected at random from the	sample of m/710 EET sample rifles submitted	
for evaluation on 18 May '99.	,	
	tra-high pressure hand-loaded round without	
the bore being obstructed. A second rifle will be subjected to an altra-high		
pressure hand-loaded round with the bore obstructed with 7.30-06 bullets. 33		
forced into the bore to a point just ahead of the chamber. The third rifle wil		
fired using a standard pressure round but with the firing pin filed at the tip to		
produce a "chiseled" edge. The intent here being to pierce the primer and dur		
gas into the action.		
	ing the results. In addition to the test results,	
	t should list the tester's initials, the date, the	
	covered by that data sheet. Also, the	
	ber of the firearm and the sample number and	
the ammunitian type used when the malfunction occurred should be recorded or		
each data sheet.		
4. All testing should be done in the "blow-up" room using a lanyard, high s		
yideo system, and photographs taken to document damage, if any.		
5. Work up hand-loads to approximately 90,000-95,000 p.s.i. Calculate load for approximately 120,000 p.s.i. For each of the two test rifles, load 1 only, ultra-		
7.7	und must be kept in a locked red ammunition	
box until time to be loaded into the test rifle. USE EXTREME CAUTION.		
Resource Usage:	Test Results Required:	
Manpower Requirements -	Formal Report: Data Only: X	
1 technician; one ammunition technician	REQUESTED Completion Date:	
Facility Requirements – blow-up room,	28 May '99	
hand-loaded ammunition, high speed video		
system.		
Required Materials/Parts/Equipment (include quantities):		
Test Parts Availability Date: 18 May '99		
Start Date:	Test Assigned To:	
Completion Date:	·	