

Test Lab Request Form Instructions

- The TLW request form can be found on the second worksheet (tabs at bottom of the screen) of this file.
- Please fill in all required fields as noted in **red**. Please fill in all other fields if applicable / possible. Instructions for each field will appear when you click on the field. The procedure field is an embedded MS Word object which will allow you to use formatting features not possible in Excel (i.e. paragraphs, bullets, numbering, etc).
- If possible, create your desired data table and/or graph formats in the additional worksheets of this file. This is preferred over extensive written procedures.
- Once the form is completed, save this file on your personal computer using the following format:
Last name (m/dd/yy)
- Email the file to Phillip Reesor and Jim Snedeker.

Engineer:	VINCE NORTON	Project #:	241493	TLW #:	2274
Date Submitted:	5/9/2007	Requested Completion Date:	6/8/2007		
Completion Date Justification:	SCHEDULED COMPLETION DATE FOR PROJECT EET				
Test Description:	ASSIST IN CONDUCTING EET ON THE NEW MODEL 770 FIRE CONTROL WITH TRIGGER BLOCK SAFETY				
Test Procedure:	PERFORM EET PER THE FOLLOWING INSTRUCTION: 3 FIREARMS TO BE SUPPLIED IN FOLLOWING CALIBERS: 243 WIN (YOUTH) 30-06 SPRG. 300 WIN MAG - MEASUREMENT OF COMPONENT PARTS - CRITICAL DIMENSION - MEASUREMENTS OF ASSEMBLIES - SAFE ON/OFF FORCES - TRIGGER PULL FORCES (MIN & MAX SETTINGS) - TRIGGER MOTION (IN SAFE) - ENGAGEMENT - OVERTRAVEL - FUNCTION CHECK OF FIRE CONTROL ASSEMBLED IN ACTION AND STOCK - ACCURACY 3 - FIVE SHOT GROUPS PER ON THE 243 AND 30-06 - FUNCTION AND ENDURANCE - ALL THREE GUNS TO 500 ROUND - INSPECT FIRE CONTROLS AT 100, 300 AND 500 ROUND LEVELS - COMPILE DATA AND SUPPLY TO ENGINEER FOR FINAL REPORT ADDITIONAL TESTING - PREPARE THE 300 WIN MAG FOR THE DRY CYCLE MACHINE - DRY CYCLE TO 10,000 CYCLES - INSPECT AND MEASURE FIRE CONTROL AT 1000, 2000, 5000 AND 10,000 ROUND LEVELS - DISASSEMBLE AND INSPECT AT 10,000 ROUNDS				

Special Requirements:	550 ROUNDS EACH OF 243 WIN, 270 WIN, AND 300 WIN MAG AMMUNITION. BRAND OR MIX IS NOT IMPORTANT.						
Supplies Availability:	GUNS AVAILABLE ON OR BEFORE 5/29/07						
Results Required:	DATA ONLY						
*****This section to be completed by Test Lab Manager*****							
Assigned To:	Sims, Jonathan		Start Date:				
Assigned Date:	6/4/2007		Completion Date:				
Comments:							

Data Only
Formal Report

Shooter: M. Hammond			
Date: 12Jun07			
Note: Accuracy was shot off of bench at 100 yards			
	Grp. 1	Grp. 2	Grp. 3
30.06	2.25	1.75	1.4
0.243	0.9	0.75	0.875

Note: Dry cycle was completed after endurance testing.					
Caliber: .300 Win. Mag.					
	0 Rds.	1000	2000	5000	10000
Engagement	0.0312	0.0287	0.0284	0.0291	0.0297
Overtravel	0.0089	0.0193	0.0189	0.0206	0.0218
Trigger Movement on Safe	0.0033	0.0052	0.0057	0.006	0.0067
Trigger Pull	4.776	4.023	4.189	4.026	3.564

TLW#2274
Project#241493
Inspection Summary
Note: Trigger Block Safety Screw was secured with Loctite 242. 7lbs. Was applied to trigger to determine trigger movement on Safe.
0 Rds. Initial
Engagement
Overtravel
Trigger Movement on Safe
Trigger Pull w/Dvorak
0 Rds. Recheck after Loctite set up
Engagement
Overtravel
Trigger Movement on Safe
Trigger Pull w/Dvorak
Safe OFF
Safe ON
100 Rds.
Engagement
Overtravel
Trigger Movement on Safe
Trigger Pull w/Dvorak

[illegible]

300 Rds.
Engagement
Overtravel
Trigger Movement on Safe
Trigger Pull w/Dvorak
500 Rds.
Engagement
Overtravel
Trigger Movement on Safe
Trigger Pull w/Dvorak

30.06	.243w/FC2	.300 Win.Mag.				
0.0319	0.0316	0.0282				
0.0146	0.0126	0.0192				
0.0061	0.0038	0.003				
3.831/4.4483	4.636	3.953/4.284				
30.06	.243w/FC2	.300 Win.Mag.				
0.0327	0.029	0.0312				
0.015	0.0191	0.0089				
0.0093	0.0041	0.0033				
4.764	4.126	4.776				

Round Count Before: 0	
Gun #.243	Date:6Jun07
Ammo type:R243W1 Lot#C22RAI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 0	
Gun #.243	Date:6Jun07
Ammo type:R243W1 Lot#C22RAI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 100	
Gun #.243	Date:7Jun07
Ammo type:R243W1 Lot#C22RAI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun

Round Count Before: 200	
Gun #.243	Date:8Jun07
Ammo type:R243W1 Lot#C22RAI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
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24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before:	
Gun #.243	Date:8Jun07
Ammo type:R243W1 Lot#C22RAI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
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18	68
19	69
20 1-20 OK Cool Gun	70
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22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
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32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun

Round Count Before: 400	
Gun #.243	Date:8Jun07
Ammo type:R243W1 Lot#C22RAI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
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16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 0	
Gun #30.06	Date:6Jun07
Ammo type:R30065 Lot#B15BBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 100	
Gun #30.06	Date:7Jun07
Ammo type:R30065 Lot#B15BBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun

Round Count Before: 200	
Gun #30.06	Date:7Jun07
Ammo type:R30065 Lot#B15BBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
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21	71
22	72
23	73
24	74
25	75
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27	77
28	78
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33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 300	
Gun #30.06	Date:7Jun07
Ammo type:R30065 Lot#B15BBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun

Round Count Before: 400	
Gun #30.06	Date:7Jun07
Ammo type:R30065 Lot#B15BBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
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32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 0	
Gun #.300 Win.Mag.	Date:6Jun07
Ammo type:R300W2 Lot# B17PBI	Shooter:J. Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 100	
Gun #.300 Win.Mag.	Date:7Jun07
Ammo type:R300W2 Lot# B17PBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
11	61
12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
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23	73
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26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
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34	84
35	85
36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun

Round Count Before: 200	
Gun #.300 Win.Mag.	Date:7Jun07
Ammo type:R300W2 Lot# B17PBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
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41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun
	INSPECT GUN

Round Count Before: 300	
Gun #.300 Win.Mag.	Date:7Jun07
Ammo type:R300W2 Lot# B17PBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
6	56
7	57
8	58
9	59
10	60 41-60 OK Cool Gun
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12	62
13	63
14	64
15	65
16	66
17	67
18	68
19	69
20 1-20 OK Cool Gun	70
21	71
22	72
23	73
24	74
25	75
26	76
27	77
28	78
29	79
30	80 61-80 OK Cool Gun
31	81
32	82
33	83
34	84
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36	86
37	87
38	88
39	89
40 21-40 OK Cool Gun	90
41	91

42	92
43	93
44	94
45	95
46	96
47	97
48	98
49	99
50	100 81-100 OK Cool Gun

Round Count Before: 400	
Gun #.300 Win.Mag.	Date:7Jun07
Ammo type:R300W2 Lot# B17PBI	Shooter:J.Sims
MALFUNCTIONS	MALFUNCTIONS
1	51
2	52
3	53
4	54
5	55
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7	57
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9	59
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