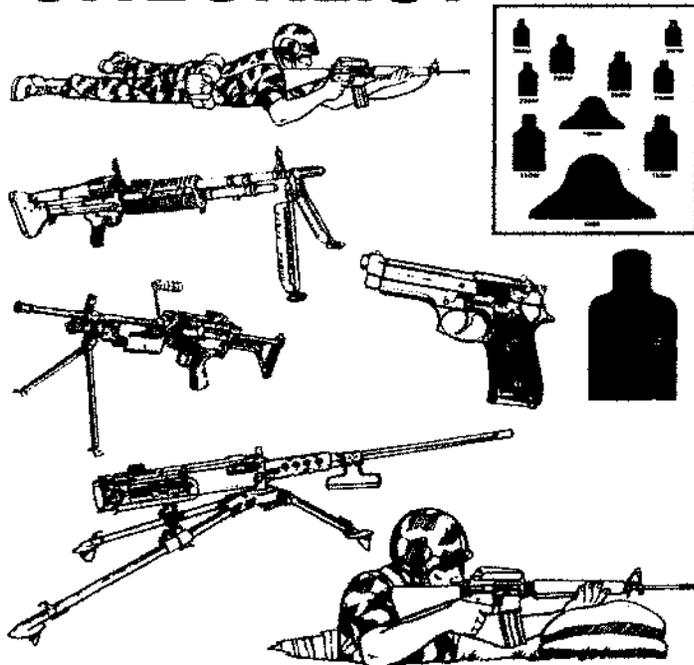


GTA 7-1-30

JUNE 1987

RANGE OPERATIONS CHECKLIST



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HEADQUARTERS, DEPARTMENT OF THE ARMY

ANNEX J (GTA 7-1-30 Range Operations Checklist) to OPOD 470-XXX-16 (470 MI BDE Range Operations Order)

How to Use This Checklist

This checklist consists of 9 sections, each covering a different topic relating to Range Operations.

Before using the checklist on the job, always call higher headquarters' Safety Office to find out if there are any recent changes to the regulations or SOP.

Then report to the person who must answer the questions in each section. Ask that person each question in order.

Record each "Yes" answer by placing a check in the GO column. Record a "No" answer or "Don't Know" by checking the NO GO column. Refer now to the checklist to find the GO and NO GO columns.

When you have asked all the questions in a section, advise the person who answered with NO GOs that the problem exists and ask him/her to correct them. When you have completed the entire checklist, look back over the NO GOs. Contact the people who reported them and ask if they have corrected each problem. If so, change the answer to GO.

If any NO GO remains for any reason, analyze the safety hazard it presents. Then design and implement a countermeasure for the hazard. Afterwards, check that your countermeasure works.

Before Range Operations start, be sure that you have a workable countermeasure implemented for each hazard presented by a NO GO answer.

Now glance over the checklist to be sure you understand how to use it. If you have any questions, review these instructions.

SUGGESTED USAGE: This checklist has been designed for use with a grease pencil. It is suggested that additional copies be made, and once the training is complete, transcribe the information to a "hard copy" for your unit's training files. Any problems encountered, along with their solutions, will be available for reference the next time range firing is conducted.

Section 1 - Mission Analysis

1 Who will be firing on the range?

No. of Personnel Units

2. What weapons and courses will be used?

Weapon		Course	

3 Where will the training be conducted?

Range

4 When is the range scheduled for operations?

Date Opens Closes

Section 2 - Double Check

	GO	NO GO	REMARKS
1 Has sufficient ammunition been requested for the number of personnel?			
2 Are the range facilities adequate for the type of training to be conducted?			
3 Has enough time been scheduled to complete the training?			
4 Have conflicts that surfaced been resolved?			

Section 3 - Become an Expert

	GO	NO GO	REMARKS
1. Review TMs and FMs on the weapons to be fired.			
2. Talk with the armorers and other personnel experienced with the weapons to be fired.			
3. Review AR 385-63.			
4. Visit range control and read installation range instructions.			
5. Reconnoiter the range (preferably while it is in use).			
6. Check ARTEPs and SQT manuals to see if training tasks can be integrated into the range training plan.			

Section 4 - Determine Requirements

PERSONNEL:	GO	NO GO	REMARKS
1. OIC			
2. Safety Officer			
3. Assistant Safety Officer			
4. NCOIC			
5. Ammunition NCO			
6. Ammunition Personnel (determined by type of range)			

Section 4 - Determine Requirements (Cont.)

	GO	NO GO	REMARKS
PERSONNEL: (Cont.)			
7. Target detail and target operators			
8. Tower operator			
9. Concurrent training instructors			
10. Assistant instructors			
11. RTOs			
12. Guards (range requirements)			
13. Medic(s)			
14. Air guard			
15. Armorer			
16. Truck driver (range personnel and equipment)			
17. Mechanic for vehicles			
18. Have you overstaffed your range?			
EQUIPMENT:			
1. Range packet and clearance form			
2. Safety fan and diagram if applicable			
3. Other safety equipment (aiming circle, compass)			
4. Appropriate publications pertaining to the training that will be conducted			
5. Lesson plans, status reports, and reporting folder			

Section 4 - Determine Requirements (Cont.)

	GO	NO GO	REMARKS
EQUIPMENT: (Cont.)			
6. Range flag and light (night firing)			
7. Radios			
8. Field telephones and wire			
9. 292 antenna, if necessary			
10. PA set with back-up bull horn(s)			
11. Concurrent training markers			
12. Training aids for concurrent training stations			
13. Sandbags			
14. Tentage (briefing tent, warm-up tent)			
15. Space heaters, if needed			
16. Colored helmets for control personnel			
17. Safety paddles and vehicle flag sets or lights			
18. Ambulance or designated vehicle			
19. Ear plugs			

Section 4 - Determine Requirements (Cont.)

EQUIPMENT: (Cont.)	GO	NO GO	REMARKS
20. Water for drinking and cleaning			
21. Score cards			
22. Master score sheet			
23. Armorers' tools and cleaning equipment for weapons			
24. Brooms, shovels, and other cleaning supplies and equipment			
25. Tables and chairs, if needed			
26. Target accessories			
27. Fire extinguishers			
28. Tarp, stakes, and rope, to cover the ammunition			
29. Toilet paper			
30. Spare weapons and repair parts as needed			
31. Tow bar and slave cables for vehicles			
32. Fuel and oil for vehicles and target mechanisms			

Section 5 - Determine Available Resources

	GO	NO GO	REMARKS
1. Fill personnel spaces			
2. Keep unit integrity			
3. Utilize NCOs			
4. Effect coordination with supporting organizations:			
Ammunition			
Transportation			
Training Aids			
Medics			
Mess			
Weapons			
Other equipment			

Section 6 - Foolproofing

	GO	NO GO	REMARKS
1. Write an overall lesson plan for the range			
2. Organize a plan for firing.			
Determine range organization			
Outline courses of fire to be used			
Have fire commands typed for use on range			
Set rotation of stations			

Section 6 - Foolproofing (Cont.)

	GO	NO GO	REMARKS
3. Rehearse concurrent training instructors and assistants			
4. Brief RTO on unique range control radio procedures			
5. Brief and rehearse reporting NCO on range operation and all his duties			
6. Collect and concentrate equipment for use on the range in one location			
7. Obtain training aids			
8. Pick up targets from range warehouse, if required			
9. Report to range control for safety briefing (if required) and sign for any special items			
10. Publish LOI:			
Uniform of range and firing personnel (helmets and earplugs)			
Mode of transportation, departure times and places			
Methods of messing to be used			
Any special requirements being placed on units			

**Section 7 - Occupying the Range
& Conducting Training**

OCCUPY THE RANGE:	GO	NO GO	REMARKS
1. Request permission to occupy the range			
2. Establish good communications			
3. Have designated areas prepared:			
Parking			
Ammunition point			
Medical station			
Water point			
Concurrent training			
Mess			
Helipad			
Armorer			
4. Inspect range for operational condition			
5. Raise flag when occupying or firing, according to the local SOP			
6. Check ammunition to insure it is correct type and quantity			
7. Insure that range personnel are in proper uniform and the equipment is in position			

**Section 7 - Occupying the Range
& Conducting Training (Cont.)**

OCCUPY THE RANGE: (Cont)	GO	NO GO	REMARKS
8. Receive firing units			
9. Conduct safety checks on weapons			
10. Check for clean, fully operational weapons			
11. Conduct safety briefing (to include administrative personnel on range)			
12. Organize personnel into firing orders (keep unit integrity if possible)			
13. Request permission to commence firing from range control			
CONDUCT OF FIRING:			
1. Are communications to range control satisfactory			
2. Commands from tower clear and concise			
3. Range areas policed			
4. Ammunition accountability maintained			
5. Master score sheet updated			
6. Personnel accountability maintained			
7. Vehicles parked in appropriate areas			
8. Air guard on duty and alert			

**Section 7 - Occupying the Range
& Conducting Training (Cont.)**

CONDUCT OF FIRING: (Cont.)	GO	NO GO	REMARKS
9. Personnel in proper uniform			
10. Ear plugs in use			
11. Troops responding properly to commands			
12. On the spot corrections being made when troops use poor techniques or fail to hit the target			
13. Conservation of ammunition enforced			
14. Weapons cleared before they are taken from the firing line			
15. Personnel checked for brass or ammunition before they leave the range			
16. Anyone standing around not involved in training or support			

Section 8 - Closing of Range

	GO	NO GO	REMARKS
1. Close down range control according to the local SOP			
2. Remove all equipment and ammunition from range			
3. Police range			

Section 8 - Closing of Range (Cont.)

	GO	NO GO	REMARKS
4. Repaste and resurface targets as required by range instructions			
5. Perform other maintenance tasks as required by local SOP			
6. Request a range inspector from range control when ready to be cleared			
7. Submit after action report to headquarters			
8. Report any noted safety hazards to proper authorities			

Section 9 - Known Distance Range

	GO	NO GO	REMARKS
1. PERSONNEL: In addition to those identified in section 4			
2. NCOIC of pit detail			
3. Assistant safety officer for pit area			
4. EQUIPMENT: In addition to equipment identified in section 4			
5. Sound set for pit area			

Section 9 - Known Distance Range (Cont.)

	GO	NO GO	REMARKS
6. Positive communication from the firing line to the pit area			
7. Pastors			
8. Glue and brusher for resurfacing targets			
9. Lubricant for target frames			
10. Proper targets mounted in target frames			
11. Briefing on how to operate a KD range			
12. Procedure for marking targets			
13. Procedure for pit safety			

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**You are
your own
best protection
from
Range
Operation
Accidents**